

# ALL UNDERGRADUATE COURSES - COLLEGE OF ARTS AND SCIENCES

## Courses

**AES 000. AES Transfer Credit. 1-20 credits.**

**AES 001. Leadership Laboratory. 0 credits. FA, SP**

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Department of the Air Force second lieutenants and complement the AFROTC academic program. It is a student planned, organized, and executed practicum conducted under the supervision of the Detachment Commander and Operations Flight Commander. Note: This course is offered in partnership with the University of Nebraska-Omaha.

**AES 131. Department of the Air Force (DAF) Professionalism. 1 credit. FA**  
Department of the Air Force (DAF) Professionalism is designed to introduce students to the DAF and its culture, providing an overview of essential attributes required for success in this context. Note: This course is offered in partnership with the University of Nebraska-Omaha.

**AES 132. Competition and Security. 1 credit. SP**

Competition and Security introduces students to the concept of national security from a broad perspective, encompassing the military's involvement in securing national interests through a range of activities from cooperation to armed conflict. This course is designed to lay a solid foundation for understanding the multifaceted nature of global security and the critical role of the DAF in maintaining peace and security. Note: This course is offered in partnership with the University of Nebraska-Omaha.

**AES 231. Team and Leadership Fundamentals. 1 credit. FA**

Team and Leadership Fundamentals I provides a fundamental understanding of both leadership and team building. The lessons and course flow are designed to prepare students for field training and leadership positions in the detachment. Note: This course is offered in partnership with the University of Nebraska-Omaha.

**AES 232. Team and Leadership Fundamentals II. 1 credit. SP**

Team and Leadership Fundamentals provides a fundamental understanding of both leadership and team building. The lessons and course flow are designed to prepare students for field training and leadership positions in the detachment. Note: This course is offered in partnership with the University of Nebraska-Omaha.

**AES 311. Leading People and Effective Communication I. 3 credits. FA**

Leading People and Effective Communication utilizes student's field training experience to take a more in-depth look at leadership. Special emphasis is placed on enhancing communication skills, and why that is important as a leader. Students have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors. Note: This course is offered in partnership with the University of Nebraska-Omaha.

**AES 312. Leading People and Effective Communication II. 3 credits. SP**

Leading People and Effective Communication utilizes student's field training experience to take a more in-depth look at leadership. Special emphasis is placed on enhancing communication skills, and why that is important as a leader. Students have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors. Note: This course is offered in partnership with the University of Nebraska-Omaha.

**AES 411. National Security and Preparation for Active-Duty I. 3 credits. FA**

National Security and Preparation for Active-Duty is designed for college seniors and provides them the foundation to understand their role as military officers and how they are directly tied to our National Security. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. Note: This course is offered in partnership with the University of Nebraska-Omaha.

**AES 412. National Security and Preparation for Active-Duty II. 3 credits. SP**

National Security and Preparation for Active-Duty is designed for college seniors and provides them the foundation to understand their role as military officers and how they are directly tied to our National Security. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. Note: This course is offered in partnership with the University of Nebraska-Omaha.

**AFS 277. Global Perspectives on Medicine in Africa and the African Diaspora. 3 credits.**

Through the lens of race, gender, and imperialism, this course explores the historical role of medicine in shaping Africa's relations with the world, from the Arab incursions of the 7th century to the trans-Atlantic, colonial, and post-colonial encounters of the 15th to the 21st century. We reflect on medicine as an instrument of state formation, political domination and social control in Africa and the Afro-Atlantic. P. Critical Issues in Human Inquiry.

**AFS 307. Demography: World Population Issues. 3 credits. FA (Same as ANT 307, EVS 307, SOC 307)**

This course will provide a sociological examination of the development and evolution of different models of population dynamics from several contemporary cultures. It will place particular emphasis on the assumptions and logical consequences of each of these models. Includes a survey of historical and contemporary trends in population growth, as well as a review of competing perspectives about natural limits to that growth. P. So. stdg.

**AFS 309. Ultimate Questions: African Theology. 3 credits.**

This course offers an introduction to African Christian theology. Topics include African traditional religion and the history of Christianity in Africa; modern theological perspectives on God, Christology, liturgy & enculturation; and contemporary ecclesiological challenges (e.g., church and state, violence and reconciliation, poverty, patriarchy, and dialogue with Islam). P. Christian Tradition, Biblical Tradition, Philosophical Ideas.

**AFS 311. Politics of Africa. 3 credits. AY, FA (Same as BKS 311, PLS 311)**

Introduction to politics of sub-Saharan Africa. Covers traditional African cultures, societies and polities; independence movements; and post-colonial politics. Discusses political parties, military interventionism, ethnic conflict, development policy and democratic reform. P. So. stdg.

**AFS 317. Global Health: A Biosocial and Justice-Oriented Approach. 3 credits. FA, SP (Same as ANT 317, HAP 317, SOC 317)**

This course provides a biosocial framework for the study of Global Health arguing that global health issues can only be sufficiently understood and addressed by recognizing their physiological as well as their sociocultural contexts and the dynamic interplay between both. Global health as a discipline is, therefore, interdisciplinary and draws from diverse academic and applied disciplines and professions. This course also highlights the increased recognition in Global Health of health and access to health care as a human right and includes discussions on the importance of a commitment to global health justice and equity. P. So. stdg. P. So. stdg.

**AFS 356. Christianity in Africa. 3 credits. OD (Same as BKS 356, THL 356)**

Introduction to religion among Africans and Africans in the diaspora. African religious concepts of time, creation, the place of humans in creation, initiation rites, marriage, procreation, death. The relationship between the ecclesial and non-ecclesial dimensions; development of the Black sacred cosmos, ritual, music, folk tradition and performance practice.

**AFS 388. Origins of Modern Africa. 3 credits. AY (Same as BKS 388, HIS 388)**

Examination of the European impact on Africans and their institutions. P. So. stdg.

**AFS 390. Introduction To African Literature. 3 credits. (Same as BKS 390, ENG 390)**

Contemporary African literature. Relationship between African literature and society, emergence of national and cross-African literatures, issues of cultural conflict, language and oral tradition, and other topics. P. Critical Issues in Human Inquiry; Contemporary Composition.

**AFS 398. Literature of Francophone Africa. 3 credits. SP (Same as BKS 398, ENG 398)**

Sample of representative Francophone African literature. Nature and functions of this literature, relation between it and society. Impact of non-Western cultural context on Western literary genres. P. Contemporary Composition course.

**AFS 400. Seminar in African Studies. 3 credits. OD**

Seminars offered on special topics related to African Studies. May be repeated under different subtitles.

**AFS 405. Ethnicity, Nationalism and Democracy. 3 credits. AY (Same as PLS 405)**

Recent history has brought a "wave" of democratization, along with intensifying ethnic awareness, nationalism and (at times) conflict. What are the major interpretations of the courses and prospects for these phenomena? How do ethnicity and nationalism affect democracy, human rights and the international system? Can multi-nation states such as Russia survive as democracies? How? This course considers trends in major regions and uses several case studies: Russia, Israel/Palestine, Nigeria, South Africa, India, and others. P. So. stdg.

**AFS 470. Seminar In Film Studies: Africa And African American. 3 credits. (Same as BKS 470, ENG 470, COM 470)**

Topical seminar with topics changing in different semesters. Examination of particular areas of film and popular culture. Topics in different semesters might include detailed examination of a film genre (e.g., the western, science fiction, detective films), or film and culture studies (e.g., women and film; film and developing nations). May be repeated for credit to a limit of six hours. P. Contemporary Composition course.

**AFS 484. Nationalist Movements in Colonial Africa. 3 credits. SP (Same as BKS 484, HIS 484)**

Case studies of the development and course of selected nationalist movements in European-ruled Africa. P. So. stdg.

**AFS 485. Society And Belief Systems In Africa. 3 credits. SP (Same as BKS 485, HIS 485)**

Examination of the social institutions of black Africa; the roles and meaning of the "tribe", ethnicity and the family. P. So. stdg.

**AFS 486. Women and Gender in Africa. 3 credits.**

A study of the roles and representations of women and gender as conceptual and analytical categories in African history and society. P. So. Stdg.

**AFS 489. Southern Africa: The Politics Of Race. 3 credits. OD (Same as BKS 489, HIS 489)**

Examination of the historical development of the social and political structures of modern Southern Africa. Primary focus on South Africa, Rhodesia-Zimbabwe, and Namibia. Analysis of the place of "race" in national policies. Includes apartheid, black nationalism, decolonization, guided democracy, and the interrelationship between economic developments and the social and political systems. P. So. stdg.

**AFS 493. Directed Independent Readings. 1-3 credits. OD**

Individualized program of reading in an area of special interest under the direction of a faculty member. P. AFS coordinator consent.

**AFS 495. Directed Independent Research. 3 credits. OD**

Individualized program of reading in an area of special interest under the direction of a faculty member. P. AFS coordinator consent.

**AFS 589. The Rwanda Genocide as a Challenge for the Church. 3 credits.**

Exploration of the 1994 Rwanda Genocide in historical, theological, and political contexts with particular focus on roles played by majority Catholic Church.

**AMS 121. American Government And Politics. 3 credits. FA, SP, SU (Same as PLS 121)**

A course that provides a critical overview of American political institutions, processes, and policies. It shows how these institutions and processes are shaped by the Constitution, historical events and elections as well as by politicians, the media, interest groups, and public opinion.

**AMS 275. The Twentieth Century as "The American Century. 3 credits. (Same as HIS 275)**

In 1941, publisher Henry R. Luce declared the twentieth century to be "The American Century." This course examines the degree to which Luce's label squares with a global-historical analysis of the major events, movements, and figures of the century that just passed, where the roots of many of today's most challenging issues are to be found. P. One Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**AMS 301. Social and Cultural Theory. 3 credits. FA, SP (Same as ANT 301, SOC 301)**

An exploration of the ideas central to sociology and anthropology from the perspective of their historical and contemporary theories. Special attention is given to the implications of these ideas for understanding human social values. P. So. stdg.

**AMS 307. Introduction to American Studies. 3 credits. (Same as HIS 307, ENG 307)**

This course provides an introduction to the field of American Studies, which seeks to understand the complex reality of 'the American experience' in all its variety. Topics include the history of American Studies as a discipline as well as its methodologies, central concepts, and emerging questions. Students will examine a broad topic from multiple disciplinary perspectives, with an emphasis on developing and employing the methodological tools common to contemporary American Studies scholarship. The topic/content areas will be selected by the instructor, based upon his/her area of scholarly expertise. P. So. stdg.

**AMS 308. Theories and Methods in American Studies. 3 credits. (Same as HIS 308)**

This course introduces students to prevailing theories and methodologies in American Studies. Students will examine in a critical fashion interdisciplinary studies of the meaning and significance of 'Americanness' in historical, cross-cultural, and even trans-national contexts. The complex relationships between ethnic, religious, racial, and ideological groups in American society will receive critical attention. P. So. stdg.

**AMS 310. Religion And Contemporary American Society. 3 credits. ENY, SP (Same as SOC 310)**

An examination of religious beliefs, behaviors, and structures as they relate to contemporary America. In addition to studying established religious forms, attention is also given to the public controversies connected with religion and to new religious movements and trends. P. So. stdg.

**AMS 312. Mass Media And Modern Culture. 3 credits. FA, SP (Same as COM 312, ENG 312)**

Examination of the role of film, television, and print media in American life. P. Jr. stdg.

**AMS 316. Qualitative Methods, Ethnography, and Engagement. 3 credits. SP (Same as ANT 316, CRJ 316, SOC 316)**

This course is an introduction to qualitative research methods within the social sciences. It emphasizes ethnography and community engagement as the primary tools of anthropological research. It promotes skill development in reflective practice, research design, partnership building, strategies for collecting ethnographic data and analysis, engaging in field work through participant-observation, and community problem-solving. The course develops compassion, confidence and competence as it contributes to social justice action in student's communities and their professions. Meets Doing Social Science, Designated Ethics, Designated Oral Communication, Designated Technology, and Designated Written Communication Magis Core requirements. Prereq: Understanding Social Science course; Ethics course; Oral Communication course; Contemporary Composition course.

**AMS 318. Gender in American Society. 3 credits. FA (Same as SOC 318)**

Comprehensive examination of the forces shaping the position and behavior of women and men in modern American society. How and why do these positions and behavior differ? What are the consequences of these differences? Emphasis on gender as enacted across the spectrum of multicultural diversity in American society, with some comparison to other societies. P. Understanding Social Science; Sophomore standing.

**AMS 323. Crime, Victimization and Public Health. 3 credits. (Same as CRJ 323, SOC 323)**

This course examines how crime and victimization are perceived within society, how they are measured through quantitative and qualitative lenses, and the particularities of urban environments that intersect with high concentrations of crime and victimization, as well as considering crime and victimization from a public health perspective. P. Understanding Social Science or Instructor consent.

**AMS 325. American States And Regions. 3 credits. OD (Same as PLS 325)**

Description and evaluation of American state governments and regional organizations. Examination of the theory of federalism and its current status; comparative analysis of state-level political actors and institutions. Special attention given to Nebraska and Iowa state politics. P. So. stdg.

**AMS 327. Minority Politics in America. 3 credits. OD (Same as PLS 327)**

Explores the political experience of American racial and ethnic minorities with particular attention to the experience of black Americans. Includes review of roots and patterns of unequal treatment of minorities, tactics and strategies used to attack these patterns, and contemporary situation. Particular attention will be paid to the tension between integrationist and self-determination strategies. P. So. stdg.

**AMS 328. Mass Media In American Politics. 3 credits. AY (Same as PLS 328)**

Analyzes the role of the media in contemporary American politics, focusing on its impact on public opinion, elections and day-to-day government. P. Sophomore standing.

**AMS 329. American Literature/American Identity. 3 credits. SP (Same as ENG 329)**

Analysis of the treatment of the American identity as it is represented in American literature of the colonial period to the present. P. Contemporary Composition course.

**AMS 331. Indians of the Great Plains. 3 credits. ONY, SP (Same as ANT 331, NAS 331)**

This course provides a comprehensive interdisciplinary approach to the study of Native cultures on the Great Plains. We will examine ecology, geography, geology, natural resources, archaeology, history, art, linguistics, cultures, as well as the human habitation of the area from first records (which are both archaeological and oral historical) to the present. The course will be run seminar style. Each student (or group depending on the size of the class) will choose a specific cultural group for study. If a student is a member of a plains Indian group the student is required to study a linguistically and culturally different group. The professor will act as a resource for methodology and research strategies. Each student will bring to the seminar a summary of relevant data for the group she/he is studying and present it to the class. Students will also build a portfolio of short papers on each seminar topic that will be assembled into a major paper at the end of the semester. P. So. stdg.

**AMS 335. Federal Indian Policy And Law. 3 credits. OD (Same as NAS 335, PLS 335, SWK 335)**

This course investigates the relationships between Native Americans and the Euro-American in terms of how the Natives were perceived and the impact this has had on Colonial and Federal policies relating to Native populations. The course's emphasis is on the historical, political and cultural aspects of the relationship. P. So. stdg.

**AMS 339. Public Policy And Poverty In The United States. 3 credits. AY (Same as PLS 339)**

Government policies and programs affecting the poor in the United States. Issues include various elements of welfare programs and policies, entitlement programs such as Medicare and Social Security, problems of intergovernmental activity in administering social welfare. Examination of various critiques of social welfare policy and a review of reform proposals. Role of organized interests and public support relative to programs affecting the poor. Skill development includes policy formulation and analysis. P. So. stdg.

**AMS 340. Native American Cultures and Health. 3 credits. FA (Same as ANT 340, NAS 340)**

This course allows students to learn first hand about the culture and health care practices of Native Americans by participating in seminars offered by Native tribal and spiritual leaders, healers, and others who work with Native populations in promoting wellness and pride in culture. Students will participate in the course with SPAHP students enrolled in the elective course "Learning through Reflective Service: Native American Experience." (PHA 341). Enrolled undergraduate students will engage with Omaha-based health agencies and attend group reflection sessions. This course will be graded on a SA/UN basis.

**AMS 341. Race and Justice. 3 credits. FA (Same as ANT 341, BKS 341, CRJ 341, SOC 341)**

This course focuses on racial and ethnic inequality in the U.S. criminal justice system. What are the determinants and consequences of prejudice and discrimination; of race and ethnicity; of ethnocentrism; sex/gender norms and class structure, as they relate to racial/ethnic minority groups/members affected by the criminal justice system? How is the society and culture we live in different from that of our parents and that of our grandparents or our great grandparents? What led to the changes we see today? Are there alternative social arrangements that may yield more equality, more efficiency, and more social justice? The goal of this course is to provide you with the basic concepts, theories, and historical context required to critically analyze and answer these questions with regard to racial/ethnic minority groups/members affected by the criminal justice system. Prereq: Sophomore standing.

**AMS 343. Peoples and Cultures of Native North America. 3 credits. ENY, FA (Same as ANT 343, NAS 343)**

Historic and ethnographic survey of the Native cultures of North America. Includes an analysis of the ecological, social, and ideological adaptations and cultural changes brought by contact with Euro-American populations. P. So. stdg.

**AMS 345. Sport in American Culture. 3 credits. OD (Same as ANT 345, SOC 345)**

How American cultural norms, values, and beliefs are reflected in and are influenced by sport. Included will be issues of basic cultural values and ideology, racial and ethnic groups, gender, and the role sport plays in American culture.

**AMS 350. American Literature I: Beginnings To Civil War. 3 credits. SP (Same as ENG 350)**

An historical survey of American Literature from its beginning to 1860. P. ENG 150.

**AMS 353. Jazz in American Culture. 3 credits. OD (Same as BKS 353, MUS 353)**

Examines the relationship between American society and the development of jazz in the course of the 20th century and beyond. Special attention will be given to those cultural, economic, and political factors which could influence jazz trends on a regional or national level.

**AMS 358. Critical Issues in the Study of North American Religions. 3 credits. ONY, SP (Same as ANT 358, NAS 358, THL 358)**

This course utilizes anthropological perspectives in the study of Native American religion. The focus of the course is non-Western, non-proselytizing religions which are coterminous with local political or kinship based social groups. The course looks at the history of the study of Native religions, the nature of Native religions as understood by a variety of disciplines, and the contemporary critique of colonialism by Native peoples specifically in regard to intellectual colonialism of Native knowledge and the practical colonialism inherent in the imitation of Native religions by non-tribal members.

**AMS 359. The City In United States History. 3 credits. OD (Same as HIS 359)**

This course examines the development of urban areas in the United States during the 19th and 20th centuries. Of particular concern are the elements of urban architecture, economics, politics, demographics, and violence. To go beyond the generalizations of the assigned readings, the city of Omaha will be used as a laboratory for investigating these themes in a specific setting. P. So. stdg.

**AMS 360. Gender, Society and Culture. 3 credits. SP, SU (Same as ANT 360, SOC 360)**

Examines gender from a holistic perspective, including language, biology, cultural history, and socio-cultural variables. The course will examine gender in a wide variety of cultures. P. So. stdg.

**AMS 365. Issues of The Native American Experience. 3 credits. FA, SU (Same as NAS 365, SWK 365)**

Examination of Native American culture and values, social institutions and social systems. Presentation of issues emanating from being Native American. Consideration given to understanding the Native American experience from an historical perspective as well as the contemporary viewpoint. P. So. stdg.

**AMS 367. American Philosophy. 3 credits. OD (Same as PHL 367)**

Surveys some of the works of significant figures in philosophy in America, both past and present. Includes classical American philosophy as well as important individuals outside that tradition. Focuses primarily on metaphysical and epistemological themes. P. Philosophical Ideas course.

**AMS 369. American Popular Music. 3 credits. OD (Same as MUS 369)**

This is a lecture/demonstration course that will trace the birth and evolution of popular music in America from its roots in the nineteenth century, jazz, blues, country and rock music through the artists and songs that define the genre.

**AMS 372. Equality, Minorities, And Public Policy. 3 credits. AY, SP (Same as BKS 372, HIS 372, PLS 372)**

Incorporates continuing discourses between a historian and a political scientist. Exploration of the political processes whereby minorities have influenced the formulation and implementation of policy and governmental responses to demands for equal treatment. P. So. stdg.

**AMS 384. Building the American City. 3 credits. SP (Same as ARH 384)**

A survey of the most important works of major architects from the Colonial period to the present.

**AMS 385. Survey of American Art. 3 credits. AY (Same as ARH 385)**

Survey of American painting, sculpture, and architecture from pre-Revolutionary days to the present with focus on the historical forces that shape the American artist.



**AMS 387. Modern Hispanic Art History. 3 credits. (Same as ARH 387, NAS 387)**

Modern Hispanic Art History will survey the painting, sculpture and architecture of Latin America along with some of its Spanish influences, from 1820 to the present. Native American and African influences on Latin American art will be surveyed. Key figures to be studied are: Rivera, Torres-Garcia, Lam, Matta, Kahlo, Varo, Chambi, Salgado, Barragan, Botero, Bravo, Jimenez, etc.

**AMS 389. The Roaring Twenties. 3 credits. OD (Same as ENG 389)**

Representative American authors and works from the 1920's. P. Contemporary Composition course and Jr. stdg.

**AMS 391. Film Music. 3 credits. (Same as MUS 391)**

The course will survey the important and emerging art genre of film music. The course will include music scores and composers of the past and present combining historical, cultural and social themes in film as enhanced through the music. Some study will include the language of music, in particular, melody, harmony, rhythm, tone color and the composer's use of these elements in creation of music for the film. The course will deal primarily with American film but may include selected films of other countries as well.

**AMS 393. African-American Literature. 3 credits. SP (Same as BKS 393, ENG 393)**

A survey of representative African American literature from its inception to the present. The particular representative authors and genres and the historical focus of the course may differ each semester. P. Contemporary Composition course.

**AMS 395. Selected Topics. 3 credits. OD**

Course designed for the development of a relevant class of interest to the program and suited to the special-interest, one-time offering. An example of a topic is History of the American City. P. Jr. stdg.; AMS coordinator consent.

**AMS 400. Topical Seminar in American Studies. 3 credits. OD**

Seminars offered on special topics related to American Studies. Topics vary from semester to semester. May be repeated under different subtitles. P. Jr. stdg.

**AMS 406. German Immigrant Culture in the United States. 3 credits.**

This course, a survey of German-American culture from the 19th century to the present, takes an interdisciplinary approach to the German immigrant experience in the United States and to questions of ethnic and national identity. P. GER 317, 318.

**AMS 411. Social Inequality and Stratification. 3 credits. ONY, SP (Same as ANT 411, SOC 411)**

Nature, causes, and consequences of social inequality and stratification, with particular attention directed to the interaction among class, race and ethnicity, and gender. P. Jr. stdg.

**AMS 415. Thoreau and Environmentalism. 3 credits. (Same as PHL 415)**

This course is a philosophical exploration of the relations among fiction, poetry and truth, in the context of reading one of the greatest classics of American literature, Henry David Thoreau's *Walden*. P. PHL 107 or So. stdg.

**AMS 419. Bible, Spirituality, & American Public Life. 3 credits. (Same as JPS 419, THL 419)**

Exploration of the Biblical foundations of Christian Spirituality, followed by critical examination of the implications for contemporary American life; includes attention to intersection of race, gender, & economic realities. P. THL 110, THL 200.

**AMS 432. Democratic Theory. 3 credits. FA, OD (Same as PLS 432)**

Major themes and thinkers on the role of government and the nature of a democratic political culture. Using both historical and contemporary materials, the course explores issues such as popular control, public participation, local autonomy, individualism, political liberty, and variations in American political ideology. P. Jr. stdg.

**AMS 437. Religion And Public Life In The United States. 3 credits. OD (Same as PLS 437)**

This course transcends the designation "church and state" because it considers the non-institutional behavior of religious individuals in groups, and their impact on our public life far beyond that of government. P. So. stdg.

**AMS 449. American Colonies. 3 credits. AY (Same as HIS 449)**

Considers the Age of Exploration and the European discovery and America; the European colonization of North America; and the cultural, economic, political, and social development of the thirteen colonies which became the United States of America up to 1763. Emphasis on the transformation of Europeans into provincial Americans. P. So. stdg.

**AMS 455. Global Bollywood. 3 credits.**

This course will use Bollywood, or global popular Indian cinema, as a cultural and political lens to understand the "uncomfortable realities of the world," including poverty, capitalism, gender hierarchies, and religious conflict. Drawing on interdisciplinary frameworks of social and cultural studies, film studies, postcolonial and diaspora theory, and gender and race studies, students will explore the politics of globalized production and reception of culture, global connections that bridge differences, and intersections between American racial formations and postcolonial hierarchies. P. Critical Issues in Human Inquiry course, Contemporary Composition course, Sr. standing.

**AMS 460. The History Of Women In The United States. 3 credits. OD (Same as HIS 460)**

The economic, social, and political status of women in the United States from colonial times to the present. Concentration on four major topics: the family, the work place, the community, and the feminists movements. An integral part is the examination of the traditional roles of women in society as well as changes in those roles. P. So. stdg.

**AMS 465. American Pragmatism. 3 credits. OD (Same as PHL 465)**

Examination and critical evaluation of the major works and themes of the American pragmatists: C. S. Peirce, William James, and John Dewey. Includes an examination of their relation to other philosophers. P. Philosophical Ideas course.

**AMS 467. History Of The Art of Spain And Her Colonies. 3 credits. FA, SP (Same as ARH 467)**

A comprehensive survey of the major monuments of Spanish art from cave painting to the present, with emphasis on major artists (i.e., Montanes, El Greco, Zurbaran, Velasquez, Goya, Picasso, Rivera, and etc.).

**AMS 468. Native American Art. 3 credits. FA (Same as ARH 468, NAS 468)**

Survey of Native American art from the 16th century to the present with a concentration on the art of the continental United States. Includes Northwest, Southwest, and Plains cultures.

**AMS 470. Making Maps that Matter: Introduction to Geographic Information Systems. 4 credits. (Same as ANT/CRJ/EVS/SOC 470)**

Geographic Information Systems-or GIS-refers to the technology used to store, edit, analyze, and present geographic data. This course will introduce students to both the technical and conceptual sides of making maps that matter. Weekly labs will teach the technical skills necessary for using geographic data to create maps. In addition to the technical skills, students will lead weekly book club and "mappy hour" discussions that will foster critical thinking about how GIS and maps are used in society. These readings will emphasize the importance of place and space to a range of contemporary social and environmental issues including poverty, pollution, crime, and racial injustice. Students will apply what they've learned in a semester-long mapping project to raise awareness about a social or environmental problem in a place of their choosing.

**AMS 471. Discourse of the American Family. 3 credits. (Same as COM 471)**

With American culture, the concept of family has taken on "god term" status. Rather than studying communication within families, the course examines how the social construction of family (communication about family) has changed over time and examines the discourse, myths, problems/limitations, and power with how family has been culturally constructed.

**AMS 482. Race In America: Idea And Reality. 3 credits. OD (Same as BKS 482, HIS 482, PHL 482, PLS 482)**

An examination of the idea and reality of race during key phases of U.S. history, with an emphasis on the contemporary situation. To understand the multiple meanings and experiences of race, the course draws on sources from science, literature, law, and philosophy. P. Philosophical Ideas course.

**AMS 491. Senior Seminar. 3 credits. SP**

A research seminar required of all American Studies majors and co-majors. P. Sr. AMS major.

**AMS 493. Directed Independent Readings. 1-3 credits. OD**

Course designed to allow an individual student with an interest in a particular area to pursue it under the direction of a willing faculty member. P. AMS coordinator consent.

**AMS 497. Directed Independent Research. 1-3 credits. OD**

Course designed to allow an individual student with an interest in a particular area to pursue it under the direction of a willing faculty member. P. AMS coordinator consent.

**AMS 585. American Studies Internship. 1-3 credits. FA, SP, SU**

A supervised on-the-job experience at governmental or private agencies in applying American Studies knowledge and skills to cultural resources management; museum, library, and/or archival work; historic preservation; and other areas. P. AMS major; Jr. stdg.; DC.

**ANT 111. Introduction to Anthropology: Human and Cultural Diversity. 3 credits.**

Anthropology is the study of the unity and diversity of human beings. This introductory course takes a holist approach, focusing on our physical, social and cultural past and present by including all four fields of the discipline: Archaeology, Physical Anthropology, Linguistics, and Cultural Anthropology. While Archaeology and Physical anthropology focus on physical remains and our common biological makeup, Linguistics, and Cultural Anthropology explore the study of human communication and our richly diverse patterns of social behavior and beliefs.

**ANT 112. Introduction to Anthropology: Culture, Ecology and Sustainability. 3 credits.**

This course examines cultural variation in the use of energy and the environment from the perspective of anthropology. It introduces students to human behavior as biological, spiritual, cultural, and social adaptation strategies to maximize survival. Students learn the unique comparative, holistic, and participant observation approaches of anthropology.

**ANT 113. Introduction to Anthropology: Social and Cultural Determinants of Health. 3 credits.**

Anthropology offers a comprehensive understanding of the biological and cultural unity and diversity of humans. This introductory course will introduce students to the topics, theories, and methods of the discipline, applied to the scientific study of the social and cultural determinants of health, following anthropology's comparative and holistic approach. Students will examine a variety of topics including culture, ethnicity and race, language and communication, economic systems, political systems, kinship and social organization, gender, religion, art, and social and cultural change. They will learn how these components of human life influence health and help us to understand the social and cultural determinants of health.

**ANT 175. Nutritional Anthropology: Introduction to Foodways and Food Studies. 3 credits.**

This Critical Issues course in nutritional anthropology will introduce students to foodways and food studies using anthropology's comparative and holistic approach. Students will examine a variety of topics such as cultural aspects of food sharing and food proscriptions (sociality), cultural and biological aspects of taste, food and human evolution, and contemporary issues relating to food safety, security, sustainability, and sovereignty in order to determine what efforts (including service) need to be made so that American foodways are more just and more strongly support human dignity. CO: Oral Communication.

**ANT 178. Global Citizenship. 3 credits.**

Based on the mission of the Society of Jesus and the guidelines for Topics and Learning Objectives for Global Citizenship designed by the United Nations Education Science and Culture Organization (UNESCO), this course on Global Citizenship is designed with the purpose of engaging students in the challenging realities of humanity by an informed understanding of local and global affairs, and ultimately become proactive contributors, at the local and global levels, to a more just, inclusive, secure, tolerant, and sustainable world. The objectives and goals of this course are inspired by the spirit of Jesuit education that want to form "men and women for others" with comprehensive understanding of the world, an affective engagement with their reality that, consequently, will inspire an active commitment to social justice. CO: COM 101.

**ANT 179. Encountering Africa: Experiencing our Shared Humanity. 3 credits.**

Africa and the experiences and identities of peoples living on the African continent help us to better understand and appreciate the diversity of the human experience and our individual and collective identities. Throughout the course students are familiarized with various topics related to Africa, comparing and contrasting them with their own realities and experiences and forming an understanding and appreciation of being global citizens. CO: COM 101.

**ANT 210. Biological Anthropology. 4 credits.**

This is a survey course covering the topics of genetic adaptability, mammalian evolutionary lineage, evolutionary theory, primate evolution, primate behavior, human evolution, human population genetics, and modern human variation, and based on evidence from evolutionary biology. We cannot fully understand our modern appearance and current social condition without first recognizing the influence of our evolutionary past. Through analyses of living primates, the fossil record, and archaeological findings, this course takes a comparative approach to understanding our modern phenotypes (physical and social appearances). By the end of the semester, students will have a strong basis in understanding how and where humans fit within the animal kingdom, as well as how modern humans evolved. Prereq: Understanding Natural Science; Contemporary Composition.

**ANT 211. Medical Anthropology. 3 credits. (Same as SOC 211)**

This course provides an overview of medical anthropology, and as such, explores cross-cultural human experiences of health, illness, suffering and healing from an anthropological perspective. We will consider how socio-cultural beliefs, values, and practices can shape healing systems. We also will study the interconnections of culture and biology, and will examine how social power relations can affect patterns of disease. Additionally, this course will cover topics such as healing and curing, disability and difference, biotechnologies, the body and embodiment, gender and reproduction, and medical ecology among others. P. Understanding Social Science.

**ANT 225. From the Grave: Fundamentals of Forensic Anthropology. 3 credits. (Same as CRJ 225)**

This course introduces students to the field of forensic anthropology. Through lecture content and written assignments, students examine the development, theoretical and methodological bases, and current application in forensic anthropology. Students will gain a theoretical understanding of how these methods are used in the investigation and detection of crime, the processing of mass disasters, the recovery of war dead and missing persons, and in international human rights investigations. P. Mathematical Reasoning; Contemporary Composition.

**ANT 301. Social and Cultural Theory. 3 credits. (Same as AMS 301, SOC 301)**

An exploration of the ideas central to sociology and anthropology from the perspective of their historical and contemporary theories. Special attention is given to the implications of these ideas for understanding human social values. P. So. stdg.

**ANT 307. Demography: World Population Issues. 3 credits. (Same as AFS 307, EVS 307, SOC 307)**

This course will provide a sociological examination of the development and evolution of different models of population dynamics from several contemporary cultures. It will place particular emphasis on the assumptions and logical consequences of each of these models. Includes a survey of historical and contemporary trends in population growth, as well as a review of competing perspectives about natural limits to that growth. P. So. stdg.

**ANT 308. An Anthropological and Transformational Approach to Alternative and Complementary Medicine. 3 credits.**

This introductory course will introduce integrative medicine, a type of medical therapy and care that combines conventional medical treatment with complementary and alternative therapies through the lens of medical anthropology. Medical pluralism refers to how patients and carers use multiple treatments in a pluralistic medical landscape where there is a co-existence of multiple medical systems. Integrative medicine seeks to integrate complementary and alternative medicine in a pluralistic landscape of practice. Students will also learn about diverse global ethnomedical systems. The course will familiarize students with the scientific study of complementary and alternative medicine in relation to conventional biomedicine, following anthropology's comparative and holistic approach, using narrative methods. (Meets Doing Social Science and Designated Written Communication requirements). Prereq: Understanding Social Science course, Contemporary Composition course.

**ANT 314. Statistics for the Social Sciences. 4 credits. (Same as CRJ 314, SOC 314)**

Broad introduction to the statistical techniques used by social scientists to analyze their data, including computer usage. Attention is directed to the basic procedures for organizing and describing data, for assessing relationships among social variables, and for using that information to make inferences about the population. P. Mathematical Reasoning course.

**ANT 316. Qualitative Methods, Ethnography, and Engagement. 3 credits. (Same as AMS 316, SOC 316, CRJ 316)**

This course is an introduction to qualitative research methods within the social sciences. It emphasizes ethnography and community engagement as the primary tools of anthropological research. It promotes skill development in reflective practice, research design, partnership building, strategies for collecting ethnographic data and analysis, engaging in field work through participant-observation, and community problem-solving. The course develops compassion, confidence and competence as it contributes to social justice action in student's communities and their professions. Meets Doing Social Science, Designated Ethics, Designated Oral Communication, Designated Technology, and Designated Written Communication Magis Core requirements. Prereq: Understanding Social Science course; Ethics course; Oral Communication course; Contemporary Composition course.

**ANT 317. Global Health: A Biosocial and Justice-Oriented Approach. 3 credits. (Same as AFS 317, HAP 317, SOC 317)**

This course provides a biosocial framework for the study of Global Health arguing that global health issues can only be sufficiently understood and addressed by recognizing their physiological as well as their sociocultural contexts and the dynamic interplay between both. Global health as a discipline is, therefore, interdisciplinary and draws from diverse academic and applied disciplines and professions. This course also highlights the increased recognition in Global Health of health and access to health care as a human right and includes discussions on the importance of a commitment to global health justice and equity. P. So. stdg.

**ANT 318. Applied Research: Assessment and Evaluation. 3 credits. FA, SP (Same as CRJ/HAP/SWK 318)**

This course familiarizes students with foundational research methods for needs assessment and program evaluation commonly used in the social sciences. Satisfies Magis Core: Doing Science Science; Magis Designated Oral Communication, Designated Technology, Designated Statistical Reasoning P. Critical Issues in Human Inquiry (or HRS 100 or HRS 101), Oral Communication, Understanding Social Science, Mathematical Reasoning.

**ANT 319. Linguistic Anthropology. 3 credits.**

The anthropological approach to the study of language examines the biological source and manner of human communication as well as the cultural processes that structure languages, their meanings, means of acquisition, and transformations. The course examines the interrelationship of individuals, groups, and the wider culture through language. P. So. stdg.

**ANT 325. Death Investigation: Forensic Anthropology Methods. 4 credits. (Same as CRJ 325)**

This course examines the methods used by forensic anthropologists to construct a biological profile of skeletonized human remains which directly aid in a positive identification of the decedent. These methods are used in the investigation and detection of crime, the processing of mass disasters, the recovery of war dead and missing persons, and in international human rights investigations. In the lab portion, students will apply the methods used by forensic anthropologists to hands-on activities using skeletal collections. Prereq: Understanding Natural Science; Mathematical Reasoning.

**ANT 336. An Introduction to Conflict Resolution. 3 credits. SU**

This introductory course will introduce conflict resolution, exploring historical epochs and cultural approaches as well as appropriate practices using the lens of anthropology. Students will look at conflict and conflict resolution approaches. Conflict resolution will be explored as a history of changing discourses, connecting the relationships between world events, meaning systems, and appropriate analytical tool. Narrative methods will be used to generate a transformational approach, storying conflict narratives while working with duoethnographic partners. P. Understanding Social Science; Contemporary Composition.

**ANT 337. Anthropology of War and Peace. 3 credits. (Same as JPS 337, SOC 337.)**

This course explores the dynamics of war and peace from an anthropological lens. Using ethnographic cases, students will examine approaches to peace, analyze the varied forms of violence that stifle it, and explore possibilities for transforming violent conflict. Students will apply anthropological methods to consider peacebuilding strategies in comparative contexts. Satisfies Magis Core: Doing Social Science, Designation: Written Communication course. This course explores the dynamics of war and peace from an anthropological lens. Using ethnographic cases, students will examine approaches to peace, analyze the varied forms of violence that stifle it, and explore possibilities for transforming violent conflict. Students will apply anthropological methods to consider peacebuilding strategies in comparative contexts. Satisfies Magis Core: Doing Social Science, designated Written Communication course.

**ANT 338. Understanding Global Dynamics of Food, Development, and Sustainability. 3 credits.**

This course provides students with an understanding of the social practices and private and public policies related to food production, distribution, and consumption and their local, national, and global interconnections. By using the tools of holistic and comparative analysis, this course helps students to understand, from an anthropological perspective, the interconnectedness of issues such as food overproduction and scarcity, overnutrition and hunger, development, food security, sustainability, and food and environmental justice. Satisfies Magis designated Oral Communication course. P. Oral Communications.

**ANT 340. Native American Cultures and Health. 3 credits. (Same as AMS 340, NAS 340)**

This course allows students to learn first hand about the culture and health care practices of Native Americans by participating in seminars offered by Native tribal and spiritual leaders, healers, and others who work with Native populations in promoting wellness and pride in culture. Students will participate in the course with SPAHP students enrolled in the elective course "Learning through Reflective Service: Native American Experience." (PHA 341). Enrolled undergraduate students will engage with Omaha-based health agencies and attend group reflection sessions. This course will be graded on a SA/UN basis. P. So. stdg.

**ANT 341. Race and Justice. 3 credits. (Same as AMS 341, BKS 341, CRJ 341, SOC 341)**

This course focuses on racial and ethnic inequality in the U.S. criminal justice system. What are the determinants and consequences of prejudice and discrimination; of race and ethnicity; of ethnocentrism; sex/gender norms and class structure, as they relate to racial/ethnic minority groups/members affected by the criminal justice system? How is the society and culture we live in different from that of our parents and that of our grandparents or our great grandparents? What led to the changes we see today? Are there alternative social arrangements that may yield more equality, more efficiency, and more social justice? The goal of this course is to provide you with the basic concepts, theories, and historical context required to critically analyze and answer these questions with regard to racial/ethnic minority groups/members affected by the criminal justice system. Prereq: Sophomore standing.

**ANT 345. Sports in American Society. 3 credits. (Same as SOC 345, AMS 345)**

How American cultural norms, values, and beliefs are reflected in and are influenced by sport. Included will be issues of basic cultural values and ideology, racial and ethnic groups, gender, and the role sport plays in American culture.

**ANT 346. Peoples and Cultures of Latin America. 3 credits. (Same as NAS 346)**

A study of the cultures of Latin America. Includes an analysis of the culture history, ecological adaptations, social adaptations, ideological adaptations, and the nature of culture change for indigenous peoples and subsequent immigrants to the regions of the Americas where linguistically Spanish and Portuguese now predominate.

**ANT 350. Forensic Anthropology Field School. 4 credits. (Same as CRJ 350)**

The Forensic Anthropology Field School is an intensive four-week course focused on exposing students to the application of forensic anthropology in the medico-legal system. Students participate in the process of a mock medico-legal death investigation beginning with crime scene recovery and ending with expert witness testimony. Prior to excavation, students will learn the theory and methods of osteology and archaeology. Once at the "crime scene" students will actively participate in mapping, recording, and excavation. After materials are recovered, students conduct a full analysis and construct a case report to be compared to missing persons reports. The Field School concludes with students testifying as a scientific expert witness in a courtroom. The process will include training and input from law enforcement, legal professionals, forensic scientists, and medical professionals. Ultimately, students will gain a hands-on experience of how death investigations work, and be exposed to the perspectives of many different disciplines. Prereq: Understanding Natural Science; Ethics; Oral Communication.



**ANT 352. Magic, Witchcraft and Medicine. 3 credits.**

The course introduces students to classical anthropological readings about magic and witchcraft. It examines crosscultural ethnographic descriptions of key-concepts, such as sympathetic magic, shamanism, evil eye, and vampires. The course also critically investigates continuities between magic and medicine. It focuses on recent ethnographies that explore the non-secular rationality embedded in practices surrounding amniocentesis, IVF and other forms of imagistic medicine, organ donation and transplantation, and controlling contagion. Satisfies Magis: Doing Social Science. P. Magis: Understanding Social Science; Sophomore Standing.

**ANT 360. Gender, Society and Culture. 3 credits. (Same as AMS 360, SOC 360)**

Examines gender from a holistic perspective, including language, biology, cultural history, and socio-cultural variables. The course will examine gender in a wide variety of cultures. P. So. stdg.

**ANT 361. (De)Colonizing Bodies. 3 credits.**

In this course, we explore contemporary realities of colonial and missionizing pasts through the lens of bodies. The term "body" can refer to many topics: physical bodies of individual people, social bodies (the way we use our bodies to communicate to others through clothing, body modification, and comportment, among others), the body politic (populations as monitored and controlled by governments), governmental bodies, corpora of literature and fine art, bodies of data, bodies of material culture, and geographic bodies such as land and water. Students will explore the intersections of these bodies through course readings, lectures, and participant observation (one of the signature methods in Anthropology) at instructor-designated settings. Through these experiences, students will become culturally literate in the places they visit, and gain basic proficiency in social science data collection, analysis, and interpretation - while also considering how the health of one type of body influences and is influenced by others. Students will also hone oral and writing skills through daily reflection. With the completion of the course, students will have developed a deep understanding of how colonial and missionary pasts continue to impact individual, population, and environmental health. P. Understanding Social Science course.

**ANT 383. Cultural Epidemiology: Global Perspectives. 3 credits. (Same as HAP 383)**

Cultural epidemiology addresses the structural and cultural determinants of health, and integrates methods, theories, and debates in both epidemiology and medical anthropology responding to health needs on an international scale. The course introduces students to methods for health research, concepts of health and disease, and strategies to alleviate ill health. P. ANT 111 or 112 or 113 or SOC 101; Contemporary Composition.

**ANT 385. Community Internship I, II. 3 credits.**

Omaha city government departments and other private and public agencies provide opportunities for semester-long participation in their regular operations. Academic coordination provided by a department faculty member. May be repeated for up to 6 hrs. Prereq: Instructor consent.

**ANT 399. Trauma Care for the Whole Person. 3 credits. ONLY**

It is essential for social workers and helping professionals to be reflective practitioners and know how to effectively care for others as well as themselves. Students will explore the distinctions of trauma including: physical, psychological, social, historical, ongoing, and vicarious trauma. This course is designed to examine the impact of trauma on the mind, body and spirit. Trauma care is not only for the individuals, families and/or communities with whom they work but also to develop resiliency in the mind, body and spirit of the helping professionals. P. Sophomore standing.

**ANT 400. Topical Seminar in Anthropology. 3 credits.**

Seminars offered on special topics related to anthropology. Topics vary from semester to semester. May be repeated under different subtitles.

**ANT 411. Social Inequality and Stratification. 3 credits. (Same as AMS 411, SOC 411)**

Nature, causes, and consequences of social inequality and stratification, with particular attention directed to the interaction among class, race and ethnicity, and gender. P. Jr. stdg.

**ANT 415. Social Stratification in the Dominican Republic. 3 credits. (Same as SPN 415, SOC 415)**

In this course we will study the nature, causes, and consequences of social inequality and stratification in the Dominican Republic, with particular attention directed to the interaction among class, race and ethnicity, and gender. P. Soph. stdg. and one course from Understanding Social Science.

**ANT 418. Healthcare, Society and Culture. 3 credits. (Same as HAP 418, SOC 418)**

This course analyzes health, illness, and healthcare by considering social forces, applying a social science perspective, and comparing this perspective with other paradigms in order to comprehend sources and distribution of illness, social meanings and experiences of illness, and diverse health care systems in domestic and global settings. P. One Magis Core Critical Issues in Human Inquiry course; Senior standing.

**ANT 420. Environment & Society: Sociological Perspectives. 3 credits. (Same as EVS/SOC 420)**

Human societies interact with the natural environments in which they are embedded. An examination of the driving economic, political, cultural, and demographic forces that cause human modification of the natural world, the resulting social and environmental problems and public controversies. A focus on movements and policies related to environmental issues, and the prospects for the emergence of more environmentally "sustainable" societies. Prereq: Critical Issues in Human Inquiry.

**ANT 421. Public Health and Social Justice in Haiti. 3 credits.**

This FLPA (Faculty-Led Program Away) course includes pre-departure on-campus classroom work, followed by immersion in Haiti to learn about its culture, public health and microfinance initiatives, and other development projects, and post-travel classroom work. In addition to reading and discussion, students will engage throughout the course in daily reflection as a group and in individual student journaling. Course content emphasizes health and justice issues in Haiti as outgrowths of historical and present-day global interrelationships - particularly between Haiti and the U.S. Students will develop a proposal for action that is grounded in careful attention to the complexities of this interrelationship. P. Critical Issues in Human Inquiry; Senior standing.

**ANT 422. Health, Disease, and Suffering in the Past and Present. 3 credits. (Same as HAP 422)**

Experience of disease has become commonplace in society. Which brings to light questions such as: When did people begin experiencing disease? What cultural and environmental factors influence the spread of disease? When experiencing disease, what social and biological challenges do people face? This course takes a broad comparative approach to the study of health and disease through time (paleopathology), exploring topics such as identification of health and disease in the past, spread of disease (pandemics and epidemics), medical treatment practices, cultural stigma surrounding disease experience, and healthcare equity through time. Conditions resulting in soft tissue and bone responses are often associated with cultural and environmental variables such as living conditions, access to food, habitual behaviors, and childhood growth and development. To better understand health experiences and equity in modern populations, it is important to establish a foundation of past social, cultural, and biological patterns. Prereq: Critical Issues in Human Inquiry.

**ANT 424. Sustainability Across the Rural Americas. 3 credits. (Same as EVS 424, SOC 424)**

This interdisciplinary course studies sustainability and the diverse cultures of rural American peoples by looking at topics such as ethics, environmental resources, economic strategies, public policy and social inequality. This course offers off-campus field observation and ethical reflection assignments and involves students in active collaborative problem-solving research.

**ANT 425. What's for Dinner, Honey?: Food, Culture, Gender, and Health. 3 credits. (Same as SOC 425)**

This course examines the relationship between food, culture, and health to address issues of diversity, service, and social justice. Students will engage in personal and educational experiences in a dynamic learning environment where they can engage challenging food and health problems to develop their citizenship at local and global levels and begin to draw conclusions about the struggles for justice. The instructor and students work together at the intersection of intellectual inquiry and personal experience to seek to understand food, culture, and health intersections in the world at large. Drawing on the Ignatian tradition, the course involves research and writing as well as reflection, collaboration, and debate. P. Critical Issues in Human Inquiry course and Senior standing.

**ANT 430. Violent Environments and Sustainability. 3 credits. (Intersections course; Same as SOC/EVS/JPS 430)**

This course examines environmental violence and sustainability from an interdisciplinary perspective. Using ethnographic cases, we will consider environmental struggles for justice in relation to war, displacement, and political violence. Students will analyze how people resist and transform violence and explore concrete strategies for building a more just and sustainable world. Prereq: Critical Issues in Human Inquiry.

**ANT 455. Food, Society, and Environment. 3 credits. (Same as EVS 455, SOC 455)**

Access to food is a universal basic human need. This course considers the social and cultural significance of food, the ecological implications of producing it, the social justice issues that surround its distribution, and how the food system relates to public health from several disciplinary perspectives. Satisfies Magis: Doing Social Science and Designated Oral Communications. P. Oral Communication, Understanding Social Science.

**ANT 470. Making Maps that Matter: Introduction to Geographic Information Systems. 4 credits. (Same as AMS/CRJ/EVS/SOC 470)**

Geographic Information Systems-or GIS-refers to the technology used to store, edit, analyze, and present geographic data. This course will introduce students to both the technical and conceptual sides of making maps that matter. Weekly labs will teach the technical skills necessary for using geographic data to create maps. In addition to the technical skills, students will lead weekly book club and "mappy hour" discussions that will foster critical thinking about how GIS and maps are used in society. These readings will emphasize the importance of place and space to a range of contemporary social and environmental issues including poverty, pollution, crime, and racial injustice. Students will apply what they've learned in a semester-long mapping project to raise awareness about a social or environmental problem in a place of their choosing.

**ANT 493. Directed Independent Readings. 1-6 credits.**

Student-initiated survey of the literature related to a broad topic in anthropology not covered in the student's course work. Undertaken in close cooperation with a supervising faculty member. May be repeated to a limit of six hours. P. IC.

**ANT 495. Directed Independent Study. 1-6 credits. FA, SP, SU**

Student-initiated project on a focused topic in anthropology, utilizing library materials and involving close cooperation with a supervising faculty member. May be repeated to a limit of six hours. P. IC.

**ANT 497. Directed Independent Research. 1-6 credits. FA, SP, SU**

Student-initiated empirical project on a focused topic in anthropology, involving close coordination with a supervising faculty member. May be repeated to a limit of six hours. P. IC.

**ANT 499. Senior Capstone: Applying the Social Sciences. 3 credits.**

Students will connect, integrate, and elaborate prior learning and skills by studying and interpreting a selected topic. Reading, research, discussion, writing, exercises and presentations will engage us in the topic and allow us to use our knowledge and skills developed by pursuing a sociology or anthropology major. The course provides both a completion of the undergraduate experience and engages students in program assessment.

**ANT 525. Archaeological Fieldwork and Analysis. 3 credits. SU (Same as CNE 525, THL 525)**

The student learns the principles of stratigraphic archaeology (or underwater archaeology) by participating in an excavation for a minimum of four weeks. The student will learn stratigraphic theory and excavation strategy, basic archaeological techniques, and the basic analysis of archaeological materials recovered from the site. (Underwater archaeologists will learn basic underwater techniques in place of some terrestrial methods.) CO: ANT 526.

**ANT 526. Archaeology Of Roman Palestine. 3 credits. (Same as CNE 526, THL 526)**

This is a study of ancient Palestine from the rise of the Herodian dynasty in the first century B.C.E. to the aftermath of the Muslim conquest in the seventh century C.E. the material of the course is the physical remains of archaeological sites throughout modern Israel, along with movable cultural remains that issued from these sites. The major focus of the course will be the interaction between Classical Mediterranean civilization on the one hand, and the Jews and other Middle Eastern peoples on the other, in the age that yielded Rabbinic Judaism, Christianity and Islam. CO: ANT 525.

**ANT 561. Definitions of Health-Implications for Care: Austria, Hungary and the United States. 3 credits.**

This course explores different understandings of health and how these influence perceptions and practices of care as well as policies pertaining to public health and health care. Students will compare and contrast their own understandings, perceptions, and knowledge with those of diverse groups and professionals encountered during a two-week program in Austria and Hungary, providing them with a unique opportunity to explore innovative thoughts and approaches for public health and health care in the United States. P. Critical Issues in Human Inquiry; Senior standing.

**ARA 111. Beginning Arabic for Daily Life I. 3 credits.**

This course introduces students to the language by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as provides a broader awareness of and appreciation for the cultures of the countries where Arabic is spoken.

**ARA 112. Beginning Arabic for Daily Life II. 3 credits.**

This course continues to develop the language-learning process by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as provides a broader awareness of and appreciation for the cultures of the countries where Arabic is spoken. P. ARA 111 or placement.

**ARA 225. Intermediate Arabic. 3 credits.**

This course is designed to help students make the transition to natural communication and develop the language-learning process by focusing on the expansion of necessary elements for development of the practical language skills (listening, speaking, reading, and writing) by using cultural and literary readings as well as grammatical exercises. It also provides a broader awareness of and appreciation for the cultures of the countries where Arabic is spoken. P. ARA 112 or equivalent.

**ARH 111. Arts and Cultural Identity. 3 credits.**

JVLA students only.

**ARH 170. Cities and People: Urban History and Social Justice. 3 credits.**

This course presents a survey of select cities throughout time and across the globe. Contentious elements of the development of important cities will be analyzed through the lens of social justice and human dignity. Students will see the positive and negative impact of urbanism on human life and consider the causes and remedies of human suffering in terms of urban planning. CO: COM 101.

**ARH 171. Who Owns the Past? Cultural Heritage and Modern Politics. 3 credits.**

This course explores the ways the past is studied, interpreted, presented, and conserved, an increasingly hot topic in today's politicized global environment. Modern political ideologies such as colonialism and nationalism, wars, poverty, and a thriving illicit antiquities market are closely intertwined with how past cultural heritage is collected, interpreted, presented, and maintained. CO: COM 101.

**ARH 210. History of Art: The Ancient World. 3 credits.**

This course presents a survey of major works of sculpture, architecture, and painting made in the Near East, Europe, and North America from the prehistoric beginnings through the Middle Ages. Students will be asked to identify particular works, to describe their basic elements, to distinguish those elements that characterize different styles, and to begin to explain the formal and historical reasons for these differences.

**ARH 211. The History of Art: The Medieval World. 3 credits.**

This course presents a survey of major works of sculpture, architecture, and painting made in the Near East, Europe, and North America from the Renaissance to the present day. Students will identify particular works, to describe their basic elements, to distinguish those elements that characterize different styles, and to begin to explain the formal and historical reasons for these differences.

**ARH 212. The History of Art III: The Modern World. 3 credits.**

A general survey of non-western art. The course will introduce African, Asian, and Native American art forms from ancient to contemporary. The painting, sculpture and architecture of each culture are selected to demonstrate the key values and concerns of those cultures. Two lectures will present Islamic and Oceanic art.

**ARH 219. History of Western Art and Architecture. 3 credits.**

A survey of major works of sculpture, architecture, and painting made in the Near East, Europe, and North America from the prehistoric beginnings through the twentieth century. In studying these monuments, equal emphasis will be placed on formal analysis and on contextual history. Students will be asked to identify particular works, to describe their basic elements, to distinguish those elements that characterize different styles, and to begin to explain the formal and historical reasons for these differences.

**ARH 301. Topics in the History of Art. 3 credits.**

Topical focus in the area of art and/or architectural history. Course will be subtitled in the Schedule of Courses, and the class can be repeated as long as the subtitle is different.

**ARH 349. Egyptian Art And Archaeology. 3 credits. OD (Same as CNE 349, HIS 349, THL 349)**

This course surveys ancient Egypt from the prehistoric/predynastic periods beginning around 4,000 BCE through the incorporation of Egypt into the Ptolemaic then Roman Empires at the end of the first millennium BCE. You will learn about the changing historical and cultural contexts of Egyptian art and architecture, exploring topics such as the meaning and audience of Egyptian art, the relationship between writing and artistic representation, the art of death, and the connections between art, religion, kingship, and the Egyptian worldview. Along the way, you will also learn about the history of the field of Egyptology, the relationship of modern Egypt to ancient Egypt, and how "the west" has constructed, used, and abused a constructed "ancient Egypt." Satisfies Magis Core: Fine Arts.

**ARH 350. Archaeology of Israel and Jordan. 3 credits. OD (Same as CNE 350, HIS 350, THL 350)**

A chronological survey of the archaeology of Israel and Jordan, providing a material perspective on the history of society, economy, and religion of the people from the Neolithic period to the Byzantine Period.

**ARH 354. Greek Art and Archaeology. 3 credits. SP (Same as CNE 354)**

Study of the sculpture, painting, architecture, and sites of ancient Greece with emphasis on their archaeological, historical, and geographical aspects.

**ARH 357. Ancient Near Eastern Art and Archaeology. 3 credits. (Same as CNE 357)**

History of painting, sculpture, architecture, and minor arts in the Ancient Near East from c. 3500 B.C. to the conquest of Achaemenid Persia by Alexander the Great in 331 B.C. Regionally, the course will survey the arts in Mesopotamia, in such peripheral areas as Anatolia and the Levant, and in ancient Iran.

**ARH 362. Late Antique Art and Archaeology. 3 credits. OD (Same as CNE 362)**

Study of the development of Early Christian architecture, painting, sculpture and industrial arts; archaeological excavation of early churches and catacombs with emphasis on problems of interpretation; Western and Byzantine iconography.

**ARH 365. Greek Art. 3 credits. OD (Same as CNE 365)**

Sculpture, painting and the minor arts of Greece.

**ARH 366. Etruscan and Roman Art. 3 credits. OD (Same as CNE 366, ITA 366)**

Sculpture, painting, and the minor arts of the Etrusco-Roman people.

**ARH 369. Medieval Art and Architecture. 3 credits. (Same as CNE 369)**

The history of the Middle Ages studied through the material culture from approximately 300-1400 CE. An emphasis is placed on the painting, sculpture, and architecture from several key moments in the Middle Ages including the fall of Rome, the rise of Christianity, the Byzantine Empire, the Spread of Islam, the Vikings, Charlemagne, the Crusades, the Hundred Years War, and the Black Death.

**ARH 372. Northern Renaissance Art and Architecture. 3 credits.**

The Northern Renaissance studied through the material culture from 1400-1600 with an emphasis on the history of painting, sculpture, printing, and architecture. Important figures from this period include Jan van Eyck, Hieronymous Bosch, Albrecht Durer, and Pieter Brueghel.

**ARH 375. Italian Renaissance Art and Architecture. 3 credits. (Same as ITA 375)**

The Italian Renaissance studied through the material culture from 1200-1550 with an emphasis on the history of painting, sculpture and architecture. Important figures from the period include Giotto, Donatello, Leonardo da Vinci, Michelangelo, Raphael, and Titian.

**ARH 377. Seventeenth-Century Art and Architecture. 3 credits. (Same as ITA 377)**

The Age of the Baroque was one of the most dynamic in Western history. Absolute monarchs such as Urban VIII, Louis XIV, and Peter the Great ruled over growing empires from sumptuous new capital cities. Contact with the New World, Galileo's invention of the telescope, and Newton's discovery of the laws of physics challenged conceptions of the universe and humanity's place in it. A philosophical revolution unfolded led by Hobbes, Descartes, Spinoza, and Leibniz. Literature flourished with the works of Shakespeare and Cervantes, while Purcell and Bach wrote the century's soundtrack.

**ARH 380. Eighteenth-Century Art and Architecture. 3 credits.**

The Enlightenment in Europe and the United States studied through the material culture from 1667-1814 with an emphasis on the history of painting, sculpture, and architecture. Important figures from this period include Christopher Wren, Antoine Watteau, Balthazar Neumann, Giambattista Tiepolo, Thomas Jefferson, and Jacques-Louis David.

**ARH 383. History and Aesthetics of Photography. 3 credits. FA, SP**

Study of the history of photography: historical, scientific, philosophical foundations; connection with other forms of literary and visual, fine and performing arts; the impact of the photograph on society and media; the ethics of "taking" and "making" a photograph. Survey of the work of acclaimed masters of the medium as well as of the contemporary poets of photographic language.

**ARH 384. Building the American City. 3 credits. (Same as AMS 384)**

A survey of the most important works of major American architects from the Colonial period to the present.

**ARH 385. American Art and Architecture. 3 credits. (Same as AMS 385)**

A history of the major works of sculpture, architecture, and painting made in the United States from the pre-Columbian period to the present day.

In studying these monuments, equal emphasis will be placed on formal analysis and on contextual history. Students will be asked to identify particular works, to describe their basic elements, to distinguish those elements that characterize different styles, and to begin to explain the formal and historical reasons for these differences.

**ARH 386. The History and Aesthetics of Latin American Photography. 3 credits. (Same as NAS 386)**

Examination of the history and aesthetics of photography as a medium of visual expression in the culture of Latin America. Study of the evolution of contemporary Latin American photography from its 19th century "colonial" roots through periods of 20th century revolution and independence to the contemporary post-modern idiom of Latin American image-making. Emphasis on the study of photographic themes that are specific to the Latin American cultural experience: colonialism, revolution and independence, native and tribal society, religion and cult, economic oppression and poverty, politics and self-determination, geography and natural resources, language and architecture. P. One Magis Core Contemporary Composition course.

**ARH 387. Modern Hispanic Art History. 3 credits. (Same as AMS 387, NAS 387)**

Modern Hispanic Art History will survey the painting, sculpture and architecture of Latin America along with some of its Spanish influences, from 1820 to the present. Native American and African influences on Latin American art will be surveyed. Key figures to be studied are: Rivera, Torres-Garcia, Lam, Matta, Kahlo, Varo, Chambi, Salgado, Barragan, Botero, Bravo, Jimenez, etc.

**ARH 390. Nineteenth-Century Art and Architecture. 3 credits.**

A history of the major works of sculpture, architecture, and painting made in Europe from Napoleon to the First World War. In studying these monuments, equal emphasis will be placed on formal analysis and on contextual history. Students will be asked to identify particular works, to describe their basic elements, to distinguish those elements that characterize different styles, and to begin to explain the formal and historical reasons for these differences. Areas covered include Neoclassicism, Romanticism, Realism, Impressionism, and Post-Impressionism.

**ARH 394. Modern Art and Architecture. 3 credits.**

Survey of 20th-century painting, sculpture and architecture in Europe. Focus on Fauvism, Cubism, Expressionism, Dadaism and Surrealism.

**ARH 401. History and Methods of Art History. 3 credits. SP**

The course will examine the significant historiographic contributions of major figures in Art History, consider contemporary controversies facing modern art historians, and compare various interpretations of art-historical issues. An emphasis will be placed on research methods, bibliography, and the use and criticism of source materials. The course culminates in the completion of a research paper and public presentation that could be the foundation of a scholarly essay and professional lecture. P. Art History major, Jr. or Sr. stdg; and IC.



**ARH 410. The Lives of Artists in Film. 3 credits.**

This course considers the image of the artist through an examination of contemporary biographies and modern films, ranging in subject from the Italian Renaissance to the present day. In this examination we will consider such questions as: what were the goals of contemporary biographers? Were these goals the same as modern biographers? How were these goals achieved in the past? How are they achieved in modern movies? Was, for example, Michelangelo the same kind of artist as Frida Kahlo? Our examination will have three parts: first, we will read a selection of an artist's biography; second, we will watch a film adaptation of the artist's life; and third, we will have sustained in-class discussions of the film and biography.

**ARH 414. The Jesuits and the Arts. 3 credits.**

Willing to serve wherever the needs were greatest, the Jesuits in the early-modern period ministered across Europe and around the world, and their mission soon came to include use of the arts. This course examines the collaboration between the arts and Ignatian spirituality that produced to an outpouring of work in painting, sculpture, architecture, urbanism, theater, and music created by the Jesuits around the world.

**ARH 430. Selected Topics in Ancient Art and Archaeology. 3 credits. OD (Same as CNE 430)**

Topical or regional focus in the area of ancient art and/or archaeology. Course will be subtitled in the Schedule of Courses. Course is repeatable as long as subtitle is different.

**ARH 435. Women, Art and Society. 3 credits. (Same as WGS 435)**

This course is an exploration of women both as the subjects and the creators of art from antiquity to the present. In this class we will examine the creation, modification and persistence of images of women throughout history, while at the same time we will survey the history of women artists and their artistic contributions. In studying these works of art, we will place equal emphasis on formal analysis and on contextual history.

**ARH 436. Exploring Italy. 3 credits. (Same as CNE 436, ITA 436)**

Students will learn the history of culinary culture, including cuisine, food production, and artisanal activity, through a week spent in Umbria. Students will learn about the great political and artistic patrimony of Italy in the city of Rome, covering all periods of the city but with a special emphasis on the ancient and the modern city.

**ARH 440. Climate Change and the City. 3 credits.**

This course surveys how we built cities in the past, examines urban problems today, and explores solutions for building better cities tomorrow for the new climate reality.

**ARH 445. History of Architecture and Urbanism. 3 credits. AY**

This course presents a history of the major buildings and cities from around the world from the Neolithic period to the present day. In studying these monuments, equal emphasis will be placed on formal analysis and on contextual history. Emphasis will be placed on types of architecture, major architects, use and function of buildings, urban development, urban design theory and the impact of architecture and urbanism on society.

**ARH 450. The City. 3 credits.**

An exploration of urban history, theory, design, and sociology through the study of a single city, such as Athens, Paris, London, Moscow, New York, Mexico City, or Tokyo. Alternately, the course could cover multiple cities across time and cultures, demonstrating the evolution of urbanism and urban theory. Course will be subtitled in the Schedule of Courses, and the class can be repeated as long as the subtitle is different.

**ARH 456. Art and War. 3 credits.**

Art and war have a long history together. From the birth of civilization in Mesopotamia, to current wars in the same region, art has been employed consistently to express war aims, defend bellicose positions, commemorate great battles, celebrate victors, and honor the fallen. This course presents a survey of art associated with war in the West ranging from antiquity to the present day. P. One Magis Core Critical Issues in Human Inquiry course; Senior standing.

**ARH 461. The City of Rome in Antiquity. 3 credits. OD (Same as CNE 461, ITA 461)**

An Architectural, Artistic, and Social Historical Survey of the city of Rome, concentrating on the ancient city but also tracing its development (as appropriate) through modern times. Political History will be covered to the extent needed to provide a framework for the course, but does not overlap with CNE/HIS 404.

**ARH 465. The City of Rome. 3 credits. (Same as CNE 465, ITA 465)**

An architectural, urban, and social historical survey of the city of Rome from the end of the Empire, through the Middle Ages and Renaissance, and ending with the modern city. The class will focus on urban history, theory and design, but will cover political history to the extent needed to provide a framework for the course.

**ARH 467. History of The Art of Spain and Her Colonies. 3 credits. (Same as AMS 467)**

A comprehensive survey of the major monuments of Spanish art from cave painting to the present, with emphasis on major artists (i.e., Montanes, El Greco, Zurbaran, Velasquez, Goya, Picasso, Rivera, and etc.).

**ARH 468. Native American Art. 3 credits. OD (Same as AMS 468, NAS 468)**

Survey of native American art from the 16th Century to the present with a concentration on the art of the continental United States. Includes Northwest, Southwest, and Plains cultures.

**ARH 475. Michelangelo and the High Renaissance. 3 credits.**

This course presents a survey of the career of Michelangelo, and study his art through an examination of earlier and contemporary artistic traditions, the literature of Dante, and developments in Italian humanism, Michelangelo's religious faith, and the general context of the High Renaissance. We will read primary documents, including Michelangelo's own poetry and personal letters, as well as biographical treatments published during his lifetime.

**ARH 480. Management of Arts Organizations. 3 credits.**

An overview of management concepts and theories as applied to arts organizations. Development of an understanding of the balance between the individual and the organization, the artist and the organization, and the community and the organization. P. IC.

**ARH 481. Arts Management Internship. 3 credits. (Same as ART 481)**

Placement in area arts organizations on a part-time basis for one semester, witnessing first-hand the nature and business of these organizations. Placement in Omaha area arts organizations such as, the Creighton Art Gallery or Theatre Box Office, Omaha Symphony, or Joslyn Museum.

**ARH 489. Summer Art History Seminar. 1-3 credits. SU**

Summer seminar concentrating on the history and issues of a specific area of art history not normally offered during the regular academic year. The area of concentration varies and is announced in the Summer Bulletin each year. May be repeated for credit to a limit of nine hours. P. ARH 219 or IC.

**ARH 493. Directed Independent Research. 1-3 credits. FA, SP**  
Subject matter and method to be worked out individually. May be repeated to a limit of six hours. P. 12 hours upper-division Art History/Theory courses; IC.

**ARH 497. Directed Independent Research. 1-3 credits. FA, SP**  
Research work in student's area of concentration. Permission granted following consultation with supervising instructor and consent of department chairperson. Credit dependent on project. May be repeated to a limit of six hours. P. DC; Sr. stdg; written IC.

**ARH 499. Senior Thesis. 1-3 credits. FA, SP**  
Open only to seniors. After choosing a thesis advisor, the student registers for one credit in the first semester of the senior year and two credits in the next. P. Sr. stdg.; IC.

**ART 105. Drawing Fundamentals. 3 credits. FA, SP**  
This introductory course encompasses both drawing and design. Students explore diverse subjects - still-life, landscape, animals, human figure, portraiture. Various drawing techniques and attitudes will be covered. Principles of two dimensional design are woven into each project. Introduction to the History of Art, expansion of personal creativity and evolution of meaningful themes will be pursued.

**ART 153. Three Dimensional Foundations I. 3 credits. FA, SP**  
Three Dimensional Foundations is designed as an entry level sculpture course for the non-art major, art minor and art major alike. The Elements and Principles of three-dimensional art and design will be woven into each project. This entry-level course will address studio art projects design problems in the round.

**ART 154. Figure Sculpture I. 3 credits. FA, SP**  
Figure Sculpture I is a entry level sculpture course designed for the non-art major, art minor and art major alike. The Elements and Principles of three-dimensional art and design will be woven into each project coupled with contemporary sculptural issues and topics. This entry-level course will address three contemporary art topics through the creation of sculptural form, artist biographical research and project critique and presentation. 1) Portrait in Basso- Relief Cameo, 2) Figure as Landscape (Mezzo-relief), 3) Mold Making and Cold Casting.

**ART 211. Introductory Ceramics. 3 credits. FA, SP**  
To develop a visual and verbal language addressing the basic fundamentals of viewing, constructing and critiquing ceramic art and design. This will include the understanding and application of historical and contemporary discourse regarding materials, tools, form, design, concept and context.

**ART 247. Printmaking Fundamentals. 3 credits. OD**  
An introduction to several modes of artistic expression through the process of fine art printmaking. Investigating the technical and conceptual aspects of numerous traditional and non-traditional printing techniques and process, while gaining a broad understanding and appreciation of the historical and contemporary role of printmaking media in art, design, and culture.

**ART 253. Sculpture II. 3 credits. OD**  
Presentation of the traditional, classical approach to art by the experience of modeling in clay from live subjects. Opportunity for Art majors to sharpen perceptual, aesthetic, and functional skills and for non-Art majors to experience what art is and how it comes about in a sculpture studio. P : ART 105.

**ART 254. Figure Sculpture II. 3 credits. FA, SP**  
Figure Sculpture II is a continuation of Figure Sculpture I. Designed for the non-art major, art minor and art major alike. The Elements and Principles of three-dimensional art and design will be woven into each project coupled with contemporary sculptural issues and topics. This 200-level course will address three contemporary art topics through the creation of sculptural form, artist biographical research and project critique and presentation. 1.) Anatomical Ecorche Bust 2.) Portrait Bust 3.) Mold Making & Cold Casting. P. Any 100-level Sculpture course.

**ART 271. Photo Studio I:Beginning Black and White Photography. 3 credits. FA, SP**  
Introduction to the use of fine art film photography as a means of expression in traditional photo-mechanical and chemical process making visual images. Critique and evaluation of student work with attention to standards of aesthetics and craft and achievements of historical masters of the medium of fine art still photography. Not open to students enrolling as auditors.

**ART 295. Special Projects. 1-6 credits. OD**  
For the non-Art Major. Requires a University sponsor and written DC and IC. Students may repeat this course up to a total of six semester hours.

**ART 311. Intermediate Ceramics I. 3 credits. FA, SP**  
Refining of personal technique on the potter's wheel and discovering new uses for clay as an expressive material. 6S. P. ART 211.

**ART 312. Intermediate Ceramics II. 3 credits. FA, SP**  
Continuation of ART 311. 6S. P. ART 311.

**ART 320. Artistic Anatomy. 3 credits. SP**  
This course involves drawing and the study of human anatomy. A variety of exercises are used - ecorche drawings, skeleton and muscle investigation, and proportion exploration. The student will have a thorough understanding of joint articulation, as well as the nature of response to stimuli and kinetics - all this in order to create believable visual images.

**ART 321. Life Drawing I. 3 credits. FA, SP**  
This drawing course, structured around the concept that working from observation leads to deeper understanding of process which manifests itself in a more personal and expressive vision. Students investigate a broad range of historical and contemporary drawing practices related to the human figure. Students also build knowledge of basic human anatomy and the variety of material and means available to describe complex form in illuminated space. P. ART 105 or ART 247 or ART 320 or Instructor Consent.

**ART 322. Life Drawing II. 3 credits. FA, SP**  
Continuation of ART 321. 6S. P. ART 321.

**ART 331. Painting I. 3 credits. FA, SP**  
Oil paint used on paper, board and canvas. A great variety of aesthetic attitudes and technical approaches. 6S. P. ART 105 or ART 247 or 320.

**ART 332. Painting II. 3 credits. FA**  
Continuation of ART 331 with emphasis on independent research in areas of preference and need. 6S. P. ART 331.

**ART 345. Relief Printing: Woodcut And Linoleum. 3 credits. OD**  
Exploration of the process of making color relief prints on paper from wood and linoleum. P. ART 105 or ART 247.

**ART 347. Printmaking I. 3 credits. FA, SP**

The study of printmaking using an understanding of techniques, concepts, and materials. Emphasis on using concept development to see how the printmaking medium can be used for a more effective individualized expression. Historical and cultural development of printing as a means of communication. P. ART 105 or ART 247.

**ART 348. Printmaking II. 3 credits. FA, SP**

Continued study of printmaking using greater understanding of advanced techniques, concepts, and materials. Emphasis on using concept development to see how the printmaking medium can be used for a more effective individualized expression. Historical and cultural development of printing as a means of communication. P. ART 347.

**ART 353. Sculpture III. 3 credits. OD**

Art 353 Sculpture III is a continuation of 200 level Sculpture II. Project completed in Sculpture II will be expanded into relevant series and editions. Designed for the non-art major, art minor and art major alike. This course will address contemporary art topics through the course text and the creation of sculptural form, readings, artist biographical research and project critique and presentation. P. Any 200-level sculpture course.

**ART 359. Creativity, Problem Solving, Goal Reaching. 3 credits. OD**

Covers the nature of creativity, sources of creativity and keys to developing creativity. Introduces creative habits and disciplines by using problem solving methods. Not applicable toward Art major; may be taken for elective credit. P. Jr. stdg.

**ART 371. Photography Studio II. 3 credits. OD**

Introduction to the zone system of black and white photography; study of great photographers' work; critique and evaluation of student work. 2R, 1L. P. ART 271 or IC. Not open to students enrolling as auditors.

**ART 373. Photographic Design And Non-Silver Process. 3 credits. OD**

An extension of conventional photographic techniques using antiquated emulsions applied to papers and fabrics, hand coloring and toning, combination images, and optional mixed-media explorations. P. ART 271.

**ART 374. Photographic Lighting and Studio Management. 3 credits. OD**

A laboratory course for fine arts students in effective use of artificial, natural, strobe, and interior studio lighting to create technically competent and aesthetically strong personal photographic images. Students meet during class for demonstrations and critique of their work and complete assignments in the studio during independent lab times. P. ART 271 or IC.

**ART 376. The Photo Diary. 3 credits. OD**

Investigation of the diary form of reflection on personal themes such as family roots, displacement, death and loss, personal relationships, transcendence, etc. Students will use photographs along with words to record and communicate regular reflection pieces. Examples from various autobiographical and journal formats will be studied. Students are not expected to have prior knowledge of photography. Simple equipment is sufficient. No darkroom work required. P. Jr. stdg; consent of the Director of the Jesuit Humanities Program.

**ART 377. Pictures and Words: The Visual Book. 3 credits.**

Pictures and Words will introduce students to the history and craft of photographic materials in book design and present the student with a studio artscourse in hands-on creation of visual books with photographic materials and written text P. So Stdg.

**ART 380. History And Criticism Of Cinema. 3 credits. FA, SU (Same as COM 380, ENG 380)**

Motion pictures as a distinctive medium of communication and as an art form; film language; film history; film appreciation; critical assimilation of film content. P. Contemporary Composition course.

**ART 395. Summer Art Studio. 1-3 credits. SU**

Summer studio concentrating on a specific area of studio art not normally offered during the regular year. Area of concentration varies and is announced in the Summer Bulletin each year. May be repeated for credit to a limit of nine hours. P or CO: ART 105 for Art majors; none for others.

**ART 401. Arts and Civic Engagement: Empty Bowls. 3 credits. FA**

This course examines the role of the Arts in social transformation through student involvement in the nationwide initiative, Empty Bowls. Students will study, in theory and reality, how different communities work together to improve local and global conditions. Students will combine studio art practices with reflection and volunteerism by working in a communal environment, inside and outside the classroom. P. ART 211, Critical Issues in Human Inquiry course, Ethics course, Senior standing.

**ART 402. Art and Activism. 3 credits. SP**

Informed by Ignatian ideals, a global perspective and knowledge of social justice, this course challenges the understanding and application of what it means to be empowered. By fostering students' abilities to apply the study and application of the visual arts as a catalyst for change students will develop the capacity to engage with their community. This course offers students a collaborative learning experience with faculty, community artists and local agencies. Students will explore how the intersection of art and activism affects personal, community, and societal transformation through self-reflection and a creative call to action. P. Any 3 credit ART course; Human Inquiry course; Ethics course; Senior standing.

**ART 411. Advanced Ceramics I. 3 credits. FA, SP**

Designed to promote individual development in the use of materials and processes of the ceramic artist. 6S. P. ART 312.

**ART 412. Advanced Ceramics II. 3 credits. FA, SP**

Continuation of ART 411. 6S. P. ART 411.

**ART 421. Life Drawing III. 3 credits. FA, SP**

Continuation of ART 322. 6S. P. ART 322.

**ART 422. Life Drawing IV. 3 credits. FA, SP**

Continuation of ART 421. P. ART 421.

**ART 431. Painting III. 3 credits. FA, SP**

Continuation of ART 332. P. ART 332.

**ART 432. Painting IV. 3 credits. FA, SP**

Continuation of ART 431. P. ART 431.

**ART 447. Printmaking III. 3 credits. FA**

Continued study of printmaking using greater understanding of advanced techniques, concepts, and materials. Emphasis on using concept development to see how the printmaking medium can be used for a more effective individualized expression. Historical and cultural development of printing as a means of communication. P. ART 348.

**ART 448. Printmaking IV. 3 credits. OD**

Continued study of printmaking using greater understanding of advanced techniques, concepts, and materials. Emphasis on using concept development to see how the printmaking medium can be used for a more effective individualized expression. Historical and cultural development of printing as a means of communication. P. ART 447.

**ART 453. Sculpture IV. 3 credits. OD**

Art 453 Sculpture IV is a continuation of Art 353 Sculpture III. Project completed in Art 353 Sculpture III will be expanded into series and editions. Designed for the non-art major, art minor and art major alike. This course will address contemporary art topics through the course text and the creation of sculptural form, readings, artist biographical research and project critique and presentation. P. 300-level sculpture course.

**ART 454. Sculpture V. 3 credits. OD**

Art 454 Sculpture V is a continuation of Art 453 Sculpture IV. Project completed in 453 Sculpture IV will be expanded into series and editions. Designed for the non-art major, art minor and art major alike. This course will address contemporary art topics through the course text and the creation of sculptural form, readings, artist biographical research and project critique and presentation. P. ART 453.

**ART 481. Arts Management Internship. 3 credits. (Same as ARH 481)**

Placement in area arts organizations on a part-time basis for one semester, witnessing first-hand the nature and business of these organizations. Placement in Omaha area arts organizations such as, the Creighton Art Gallery or Theatre Box Office, Omaha Symphony, or Joslyn Museum.

**ART 493. Directed Independent Readings. 1-3 credits. FA, SP**

Subject matter and method to be worked out individually. May be repeated to a limit of six hours. P. IC.

**ART 495. Directed Independent Projects. 1-3 credits. FA, SP**

Directed research and study in Art to meet the individual needs of the student. Permission granted following consultation with supervising instructor. Credit dependent on project. May be repeated to a limit of six hours. P. IC.

**ART 497. Directed Independent Research. 1-3 credits. FA, SP**

Directed Independent Research in student's area of concentration. Permission granted following consultation with supervising instructor. Credit dependent on project. May be repeated to a limit of six hours. P. IC.

**ART 498. Senior Thesis I. 3 credits.**

This course is designed for the Bachelor of Fine Arts Studio Art major and is the first in a two semester Senior Thesis sequence. Students enrolled in this course have completed a successful portfolio review by the Studio Art faculty prior to enrollment and will work with a Studio Art faculty member (or members) to develop a Senior Thesis project, which will be exhibited during ART 499 Senior Thesis II. A vital component of this course is students' abilities to bridge foundational knowledge of studio art practices gained over the course of their major area of study to culminate with a professional body of work. Students will be required to conduct research relevant to their Senior Thesis project, as well as articulate their project's significance to the discipline. Successful completion of ART 498 is required for continuation in ART 499 Senior Thesis II. P. Senior Standing, IC, DC.

**ART 499. Senior Thesis II. 1-3 credits. FA, SP**

This course is designed for the Bachelor of Fine Arts Studio Art major and is the second in a two-semester capstone Senior Thesis sequence. Students enrolled in this course have successfully completed ART 498 Senior Thesis I. Over the course of the semester students will work with a Studio Art faculty member (or members) to continue development of a Senior Thesis Project to be completed at the conclusion of this course. Students in this course will bridge foundational knowledge of studio art practices gained over the course of their major area of study. This knowledge will culminate in a professional body of artwork exhibited in the CU Lied Art Gallery. Students will be required to conduct research relevant to their Senior Thesis project as well as articulate (both oral and written) their project's significance to the discipline. P. ART 498, Sr. standing, DC, IC, Contemporary Composition course; Oral Composition course.

**ASN 300. Introduction to Asian Studies. 3 credits.**

Asian Studies is an interdisciplinary program designed to introduce students to the traditions, cultures and politics of Asia by examining the area stretching from Korea in the east to Pakistan in the west, and from the steppes north of China's Great Wall to the southern tip of the Indian subcontinent.

**ASN 412. Studies in Major Authors. 3 credits.**

Cross-listed with ENG 412 when study appropriately relates to Asian Studies. P. ENG 120, ENG 121, ENG 150 or equivalent; Jr. standing, or IC.

**BIO 123. Microbiology for Health Professionals. 4 credits.**

Microbiology for Health Professionals is an introductory course covering the biology of microorganisms that are agents of infectious disease. Practical information about microorganisms will be presented that is critical to understanding patient care and disease-prevention strategies. A survey of bacterial and viral disease, antimicrobial chemotherapy options, the response of the body to infection, and concepts in epidemiology will all be presented. 3R. Prereq: Registration in Nursing program or instructor consent.

**BIO 149. Biology for the Non-Science Major. 3 credits.**

Introduces non-biology major students to the basics of human anatomy and physiology. Normal functioning of the human body systems, human disease, human genetics, and human population and environmental issues are addressed. The primary goal of this course is to provide the student with a solid, working understanding of the function and occasional malfunction of the human body from an individual and global perspective. Bioethical issues and current medical advances are also discussed and students will gain experience in statistical concepts associated with Epidemiology and Human Disease. Magis Core: Understanding Natural Science. 3R.

**BIO 159. Human Biology. 4 credits.**

This course will explore the general biology of the human body, including investigation into the cells and molecules that make up the body, exploration of organ systems, and discussions of disease. In the laboratory students will learn basic techniques used in various biology fields to discover new information. The students will then apply what they learned to design their own research question and test it. Overall the course will introduce them to science, how the human body works, and how it is studied. This course meets Magis Core Doing Natural Science and Designated Statistical Reasoning. 3R, 3L. Prereq: Understanding Natural Science; Mathematical Reasoning.



**BIO 189. Novel Ecologies: Fundamentals of Ecological Conservation and Restoration. 4 credits.**

In this course, students will learn fundamental scientific concepts in ecology, such as water and nutrient cycling, energy flow, population and community dynamics, bio-geography, and species interactions. Students will advance and apply their scientific knowledge by participating in field-based, service-learning activities at restoration sites in Nebraska and New Zealand. In coordination with HIS 400/ENG 400, students will apply their knowledge with insight gained from site visits, readings, and discussions with stakeholders to critically evaluate contemporary problems and practices in both conservation biology and restoration ecology. Students will gain a broader and deeper knowledge of environmental crises and the diversity of ecological worldviews on local and global scales and will grapple with issues of social and ecological justice. P. Understanding Natural Science. CO: HIS 400/ENG 400.

**BIO 201. General Biology: Organismal and Population. 3 credits. FA, SP**  
Organismal and population biology with emphasis on organismal diversity, structural and functional strategies of organisms, ecological and behavioral relationships, and evolutionary mechanisms. The diversity of adaptive specialization based on the fundamental unity of life is the theme of the course. 3R.

**BIO 202. General Biology: Cellular and Molecular. 3 credits. FA, SP, SU**  
Introduces the conceptual bases of biology and presents the molecular and cellular aspects of metabolism, genetics, and other selected systems. P. One year of college or high school chemistry of sufficient depth and rigor to enable the student to participate in the study of the molecular aspects of biology. P. Understanding Natural Science; CHM 102 with a grade of B- or better, or CHM 105 with a B- or better, or CHM 203 with a grade of C- or better, or Instructor consent.

**BIO 205. General Biology: Organismal and Population Laboratory. 1 credit. FA**

Laboratory portion of BIO 201 designed to reinforce introductory knowledge in ecology, evolution and organismal biology. Students will learn basic biological laboratory techniques. 3L. P or CO: BIO 201.

**BIO 206. General Biology: Cellular and Molecular Laboratory. 1 credit. SP**  
Laboratory portion of BIO 202 designed to reinforce introductory knowledge in molecular and cellular biology and genetics. Students will learn basic biological laboratory techniques and principals of experimental design and analysis. 3L. P. Understanding Natural Science; P or CO: BIO 202.

**BIO 297. Directed Research. 0-2 credits.**

An introduction to laboratory or field methods intended to prepare students for independent research. Research students should enroll in BIO 397 or BIO 497 in subsequent semesters. (No more than 12 semester hours of credit may be accrued in any combination of BIO 297, BIO 397, BIO 493, BIO 495, and BIO 497.) Graded Satisfactory/Unsatisfactory. This course is repeatable. P. IC.

**BIO 311. Biostatistics. 4 credits. FA, SP (Same as EVS 311)**

Introduction to statistical methods, data display, and experimental design as applied to biological studies. Data analysis is conducted using open-source statistical software. Does not count as a laboratory course. P. BIO 201, BIO 202, BIO 205, and BIO 206; Mathematical Reasoning.

**BIO 315. Foundations of Ecology & Evolution. 3 credits. FA, SP (Same as EVS 315)**

Introduces the ecological principals governing interactions between organisms and their environment and the change of populations and species over time in the process of evolution. 3R. P. BIO 201 and BIO 202 or IC.

**BIO 317. Genetics. 3 credits. FA, SP**

Science of heredity and variation. Basic principles of Mendelian genetics, cytogenetics, molecular genetics, human genetics and evolution are examined. 3R. P. BIO 201, BIO 202, BIO 205, and BIO 206.

**BIO 318. Genetics Laboratory. 1 credit. FA**

Laboratory projects designed to illustrate basic genetic principles will be conducted with the aid of bacteria, fungi, and *Drosophila* as experimental organisms. 3L. P or CO: BIO 317.

**BIO 335. Zoology. 4 credits. FA (Same as EVS 335; Designated Statistical Reasoning course)**

Lecture and laboratory study of concepts and principles exemplified by both invertebrates and vertebrates with emphasis on animal diversity, morphology, evolution, and ecological relationships. This course is both lecture and lab. 3R, 3L. P. BIO 201, BIO 202, BIO 205, and BIO 206; Mathematical Reasoning.

**BIO 341. Botany. 4 credits. FA (Same as EVS 341; Designated Statistical Reasoning course)**

Lecture and laboratory study of concepts and principles exemplified by the plant kingdom with emphasis on plant anatomy, development and growth, physiology, and evolution. This course contains both lecture and lab. 3R, 3L. P. BIO 201 and BIO 202; Mathematical Reasoning course.

**BIO 350. Fundamentals of Microbiology. 4 credits. FA**

Lecture and laboratory course designed to provide an overview of the structure, metabolism, physiology, ecology, and interactions of microorganisms such as bacteria, archaea, fungi, protists, helminths, and viruses. Also considered are interactions between microorganisms and the hosts they inhabit, and key roles in the global ecosystem. NOTE: BIO 350 course is an upper-level elective for the Biology minor but does NOT count for the Biology major. Biology majors should take BIO 451 for microbiology. 3R, 3L. P. BIO 201, BIO 202, BIO 205, and BIO 206.

**BIO 362. Cell Structure and Function. 3 credits. FA, SP**

Emphasizes the fundamental importance and experimental underpinnings of knowledge in cell biology. The course consists of four segments; 1) common techniques in cell biology research, 2) basic principles of cell structure and function including membranes, vesicular transport, protein sorting, and the cytoskeleton, 3) how cells multiply, assemble into tissues, and interact with their environment, and 4) cell motility, the immune response, and cancer. 3R. P. BIO 202 and BIO 206.

**BIO 363. Cell Structure and Function Laboratory. 1 credit.**

This course is designed to deepen students' understanding of cell biology through a series of hands-on laboratory experiments. Using both biochemical and optical techniques we will explore many processes discussed in BIO 362. Students will also identify the location and potential role of an unknown protein. 3L. P or CO: BIO 362.

**BIO 371. Animal Behavior. 3 credits. FA, SP (Same as EVS 371)**

Evolutionary aspects of animal behavior, including physiological bases of behavior, social behavior, behavioral ecology and genetics of behavior. 3R. P. BIO 201, BIO 202, BIO 205 and BIO 206.

**BIO 372. Animal Behavior Laboratory. 2 credits. SP (Same as EVS 372)**

Introduction to animal behavior research methods using structured observations and experiments in laboratory and field settings. 3L. P. Mathematical Reasoning. P or CO: BIO 371 or EVS 371.

**BIO 383. Vertebrate Natural History. 3 credits. SP (Same as EVS 383)**

Lecture series designed to provide students with a modern overview of vertebrate diversity. Lectures encompass ancestry, major adaptive shifts between classes of vertebrates, geographic distribution based on physiological limits, specialized feeding and locomotor modes, courtship patterns, reproductive strategies, and conservation issues. Recommended for students seeking a general understanding of vertebrate life, or those who are interested in teaching biological sciences. 3R. P. BIO 201, BIO 202, BIO 205 and BIO 206.

**BIO 384. Vertebrate Natural History Laboratory. 1 credit. SP (Same as EVS 384)**

Laboratory exercises that will provide experience in the following areas: dissection of representatives of each major vertebrate class with emphasis on the diagnostic differences between groups; identification and preservation of vertebrate specimens. Field trips are available on a limited basis. 3L. P. BIO 201, BIO 202, BIO 205, and BIO 206.

**BIO 397. Directed Independent Research (Extramural). 0-3 credits.**

A program of independent study emphasizing laboratory or field research, intended for students working with mentors not part of the Biology faculty. (No more than 12 semester hours of credit may be accrued in any combination of BIO 297, BIO 397, BIO 493, BIO 495, and BIO 497.) Graded Satisfactory/Unsatisfactory. P. IC.

**BIO 415. Evolution. 3 credits. SP (Same as EVS 415)**

A comprehensive introduction to the fundamental paradigm of modern Biology. Topics include the origin and history of life; historical development of evolutionary theory; genetic basis of evolution; evolutionary mechanisms; organismal diversity, speciation and phylogenetic methods of analysis; evolutionary aspects of biological subdisciplines; and selected special topics. 3R. P. BIO 201, BIO 202, BIO 205, and BIO 206.

**BIO 419. Molecular Genetics Laboratory. 2 credits. SP**

Laboratory activities using contemporary methods of genomic inquiry. Emphasis on fundamental aspects of gene structure and function. 1R, 3L. P. BIO 317 or IC.

**BIO 425. Development of Biological Thought. 3 credits. SU**

This travel course will examine the development of the intellectual tools used in the natural sciences, particularly Biology, while visiting many of the institutions and locations in which the advances were made. The course will be held in London, UK and will include both lectures and field trips. P. BIO 201, BIO 202, BIO 205, and BIO 206 or IC.

**BIO 432. Immunology. 3 credits. SP**

This lecture course is designed to present the basic principles and concepts of immunology. Topics such as organization of the immune system, evolution of the immune system, and cellular and molecular mechanisms used by the immune system to protect organisms from disease are discussed in detail. Additionally, course material examines the practical application of immunological experimental advances in basic and medical science. 3R. P. BIO 201, BIO 202, BIO 205, BIO 206 and BIO 317 or BIO 362.

**BIO 433. Vertebrate Comparative Anatomy. 4 credits. SP**

Lecture and laboratory study of the anatomy of vertebrates. Lectures incorporate the developmental and evolutionary bases of anatomy. 3R, 3L. P. One 300-level or higher BIO course.

**BIO 439. Parasitology. 4 credits. SP (Same as EVS 439)**

Lecture and laboratory study of protozoan, helminth, and arthropod parasites with emphasis on their morphology, taxonomy, life histories, and host/parasite relationships. Includes parasites of medical and ecological importance. This course includes both lecture and lab. 3R, 3L. P. One 300-level or higher BIO course; Mathematical Reasoning, Ethics.

**BIO 449. Physiology. 3 credits. FA, SP**

Introduction to human biological function from the cellular to the organ-systems level. 3R. P. BIO 201, BIO 205, and BIO 362, or IC.

**BIO 450. Physiology Laboratory. 1 credit. FA**

A hands-on laboratory using modern experimental techniques and technology to illustrate fundamental processes in animal physiology, spanning from cellular mechanisms to whole-animal responses. P or CO: BIO 449.

**BIO 452. Microbiology. 3 credits. (Same as EVS 452)**

Microbiology is designed to provide an overview of the structure, metabolism, physiology, ecology, and interactions of prokaryotic and eukaryotic microorganisms. Among the organisms and acellular entities to be considered are bacteria, archaea, fungi, protists, helminths, and viruses. Most of these organisms are too small to be seen with the human eye and so are studied through a combination of microscopic, growth, and molecular techniques. While some microorganisms are pathogenic and cause important diseases of humans, animals, and plants, most are not. Rather, many microbes play a positive role in the cycling of carbon, nitrogen, and other nutrients within the global ecosystem and have beneficial effects on the other living organisms with which they are associated. P. Two of the following: BIO 317, BIO 362, CHM 371, CHM 383 or IC.

**BIO 453. Microbiology Laboratory. 1 credit. (Same as EVS 453)**

Microbiology is the study of organisms too small to be seen with the naked eye. Despite their small size, these organisms are ubiquitous and play important roles in human health, industry, and the functioning of ecosystems. This course is designed to cover a wide range of material in laboratory exercises, introducing students to a breadth of microbial diversity and physiology, as well as the basic techniques used in microbiology. P. Mathematical Reasoning; P or CO: BIO 452.

**BIO 461. Entomology. 4 credits. AY, FA (Same as EVS 461)**

Lecture and laboratory study of insect biology with emphasis on the major insect groups. Anatomy, physiology, and behavior of insects and their ecological, agricultural, and medical importance. This course is both lecture and lab. 3R, 3L. P. BIO 201, BIO 202, BIO 205, and BIO 206.

**BIO 462. Neurobiology. 3 credits. FA**

Introduction to the fundamental concepts of comparative neurobiology and the neural basis of behavior. Topics covered include the cell biology of the neuron, neural systems, sensory systems, motor systems, sensory-motor integration and higher brain functions, the interactions between hormones, brain and behavior, and human neurobiology. Lectures emphasize the comparative approach of studying the structure and function of nervous systems by using both invertebrate and vertebrate model systems to illustrate how the brain controls behavior. 3R. P. BIO 362, BIO 433 or BIO 449.

**BIO 463. Neurobiology Laboratory. 1 credit. FA**

Introduction to neurobiological and behavioral research methods using experimental techniques to understand functional aspects of neurophysiology and the neural basis of behavior. 3L. P or CO: BIO 462.

**BIO 464. Neurobiology of Disease. 3 credits. SP (Same as NES 464)**

To understand neurological disease, its progression, and discover novel therapeutics requires in-depth knowledge of the cellular and molecular underpinnings of the disorders. Students will revisit concepts from prerequisite courses but apply them to the function and activity of the brain and to circumstances where normal biology breaks down. 3L. P. BIO 362; Ethics; Contemporary Composition.

**BIO 467. Developmental Biology. 4 credits. FA (Meets Designated Ethics)**

Lecture and laboratory study of animal development with emphasis on the higher vertebrates. Gametogenesis, cleavage patterns and basic body plans, organ system formation, embryo-maternal relationships. Control of growth, differentiation, and morphogenesis. This course includes both lecture and lab. 3R, 3L. P. 300-level or higher molecular/cellular BIO course and one 300-level or higher organismal BIO course; Ethics.

**BIO 471. Conservation Biology. 3 credits. AY, FA (Same as EVS 471)**

Introduction to the science of biodiversity preservation. Relevant principles of ecology, population genetics, and behavioral biology; aspects of biodiversity, threats to biodiversity and strategies for limiting them; protected area design and management; ecological economics, environmental ethics, sustainable development, and the interplay between human needs and biodiversity preservation. 3L. P. BIO 201, BIO 202, BIO 205 and BIO 206 or IC.

**BIO 481. Terrestrial Ecology. 4 credits. FA (Same as EVS 481)**

Introduction to the interactions of organisms and the environment, especially the biology of populations, communities, and ecosystems. Individual adaptations, the nature of the environment, population dynamics, and community organization are stressed. Laboratory exercises include field trips to terrestrial habitats. 3R, 3L. P. BIO 201, BIO 202, BIO 205 and BIO 206; Mathematical Reasoning.

**BIO 485. Aquatic Ecology. 3 credits. FA (Same as EVS 485)**

An introduction to the community structure, biological production, and physical and chemical properties of aquatic ecosystems. The major features of water columns, benthic substrates, and lotic zones will be reviewed and compared. 3R. P. BIO 201, BIO 202, BIO 205 and BIO 206.

**BIO 486. Freshwater Ecology Laboratory. 2 credits. FA (Same as EVS 486)**

Introduction to methods for analyzing lake, stream, and wetland habitats. Exercises will examine physical and chemical properties, biological production and food chains, and water quality of freshwater ecosystems. 3L. P. or CO: BIO 485 or IC.

**BIO 490. Seminar In Undergraduate Laboratory Instruction. 0-1 credits.**

Required of all undergraduate Teaching Assistants in those semesters in which they are teaching. Course provides instruction in both course content and its effective communication. Emphasis on laboratory and field skills, preparation of examinations, classroom supervision, and student evaluation. This course includes both lecture and lab. Course may be repeated up to a maximum of four times. P. IC.

**BIO 492. Seminar in Undergraduate Classroom Instruction. 0-1 credits.**

Required of all undergraduate Teaching Assistants supporting lecture-based courses in those semesters they teach. Course provides instruction in course content and its effective communication, fair and constructive grading techniques, and management of course records. Specific duties will vary depending on the requirements for specific courses. P. IC.

**BIO 493. Directed Independent Readings. 1-3 credits.**

Assigned readings in the student's area of interest. Course is only an addition to and not a substitution for any portion of the major requirement. No more than 12 semester hours of credit may be accrued in any combination of BIO 297, BIO 397, BIO 493, BIO 495, and BIO 497. P. IC.

**BIO 495. Directed Independent Study. 1-3 credits.**

A program of independent study with emphasis on activities other than laboratory or field research. (Examples include library research or special course attendance). Course is only an addition to and not a substitution for any portion of the major requirement. 2-4 C and/or L. No more than 12 semester hours of credit may be accrued in any combination of BIO 297, BIO 397, BIO 493, BIO 495, and BIO 497. P. IC.

**BIO 497. Directed Independent Research. 0-3 credits.**

A program of independent study with emphasis on laboratory or field research. No more than 12 semester hours of credit may be accrued in any combination of BIO 297, BIO 397, BIO 493, BIO 495, and BIO 497. P. IC.

**BIO 501. Bioinformatics. 4 credits. AY, SP**

Introduction to the field of bioinformatics and genome science. Lectures will discuss the pivotal role of bioinformatics in metabolizing the massive amounts of biological information generated from genome projects. Students will also have hands-on experiences of data mining, processing, and analysis, using computer software publicly available or hand-coded by students. Does not count as a laboratory course. 3R. P. BIO 317 or IC.

**BIO 517. Current Topics in Genetics. 3 credits. FA, SP (Magis Oral Communication, Written Communication)**

Genetic and genomic technologies have an increasing impact on mainstream medicine. In this course, we will examine the genetic and genomic basis of human diseases focusing on the molecular and cellular pathology, molecular detection, genetic therapeutics, and ethical and social implications for the applications of genetics in medicine. 3R. P. BIO 317, Oral Communication; Senior standing or IC.

**BIO 520. Genomes and Chromosomes. 4 credits.**

The chromosome is the physical basis of genetics in Eukaryotes, and controls major aspects of gene regulation. In this course, we will examine the structure, function and behavior of eukaryotic chromosomes. The accompanying laboratory will emphasize modern genome-wide approach, including student participation in a genome project focusing on disease transmitting flies. 3R, 3L. P. BIO 317; Senior standing or IC.

**BIO 532. Current Topics in Cellular and Molecular Biology. 3 credits.**

Interactions between nucleic acids and proteins responsible for cell growth, division, and development. Assumes basic knowledge of biomolecules and gene expression. Topics include DNA and chromatin structure and modification, DNA cloning and sequencing, DNA replication and repair, DNA recombination and transposition, regulation of gene expression (transcription, RNA processing, translation, and protein modification), functions of non-coding RNAs, genomics, and analytical techniques of molecular /cellular biology. Original scientific literature study including student-facilitated discussions and a term paper. 3R. P. Any two of the following courses: BIO 317, BIO 362, BIO 452, or CHM 371 or CHM 383, or IC; Contemporary Composition; Oral Communication; Senior standing or IC.

**BIO 539. Ecology of Zoonotic Diseases. 3 credits. FA (Same as EVS 539)**

Over the past few decades there has been a resurgence of zoonotic diseases such as SARS and Avian Influenza. Why do zoonotic diseases emerge, and what factors lead to epidemics? This course will address these questions, and apply an ecological approach to an understanding of epidemiology in human, livestock, and wildlife populations. P. One of the following: BIO 315, BIO 351, BIO 432, BIO 449, BIO 452, or BIO 481; Contemporary Composition; Oral Communication; Senior standing or IC.

**BIO 541. Current Topics in Plant Biology. 3 credits. AY, SP (Same as EVS 541)**

This course focuses on historical and current questions in plant biology. Students will explore the evolution, function, and development of plants from the genetic, cellular, and organismal perspective. Specific topics may include hormone function, plant responses to stimuli, and the evolution of plant structures, and plant reproductive strategies. 3R. P. BIO 201, BIO 202, BIO 205 and BIO 206; Contemporary Composition; Oral Communication; Senior standing or IC.

**BIO 545. Plant Diversity and Evolution. 4 credits. AY, SP (Same as EVS 545; Meets Designated Written and Oral Comm)**

Lecture and laboratory study of the diversity, morphology, and evolution of fossil and living plants. Topics emphasized include the origin of land plants, plant life cycles, evolution of the vascular cylinder, leaf, seed and flower, and the origin of flowering plants. This course includes both lecture and lab. 3R, 3L. P. BIO 201, BIO 202, BIO 205, and BIO 206; Contemporary Composition; Oral Communication; Senior standing or IC.

**BIO 549. Environmental Physiology. 3 credits. AY, FA (Same as EVS 549)**

Impact of environmental changes and environmental extremes on animals and their physiological mechanisms. Examines primarily vertebrates and their responses to variations in temperature, pressure, and salinity. Basic physiological principles associated with each adaptive response covered in lecture and reading assignments. 3R. P. BIO 335/EVS 335, BIO 383/EVS 383, BIO 433 or BIO 449.

**BIO 559. Current Topics in Physiology. 3 credits. FA, SP**

This course provides an in-depth examination of one or more physiological topics through a combination of lecture, discussion and student presentations. Reference materials will include textbooks, book chapters, review articles and the primary literature. Topics may include but are not limited to aspects of environmental, comparative and evolutionary physiology, as well as mammalian and human physiology. In most semesters the focus will be on current research, but historical aspects of some subjects may also be addressed. P. BIO 449; Contemporary Composition; Oral Communication; Senior standing or IC.

**BIO 567. Current Topics in Neuroscience. 3 credits. SP**

The course addresses several current topics within the field of neuroscience. Topics are selected based on the most highly cited works in the field over the past two years. Neuroscience encompasses information from many different scientific fields. We will cover anatomical, cellular, molecular, physiological, and biochemical aspects of developmental neurobiology. Please think of this course as a mental exercise and open yourself up to the intricate, intertwining concepts underlying the function of the brain. Students are required to present primary literature using an oral presentation format. 3R. P. BIO 462 or IDC 662; Oral Communication; Senior standing or IC.

**BIO 580. Current Topics in Ecology. 3 credits. SP (Same as EVS 580)**

The focus of this course will be advanced topics in ecology, with an emphasis on the concepts and current approaches in ecosystem ecology. Primary literature will serve as a key resource for students. The structure and function of several model ecosystems will be explored in detail, with particular attention to the concepts of biodiversity, productivity, decomposition and nutrient cycling. In addition, the degree of human alteration of ecosystem structure and function as well as consequences for global ecological processes will be presented. P. BIO 481, BIO 485 or EVS 485. Contemporary Composition; Oral Communication; Senior standing or IC.

**BKS 309. The Urban Social System. 3 credits. FA (Same as SOC 309)**

Examination of the process of urbanization as it affects the lives and institutions of local populations and incorporates them into much larger national and international systems.

**BKS 311. Politics of Africa. 3 credits. AY, FA (Same as AFS 311, PLS 311)**

Introduction to politics of sub-Saharan Africa. Covers traditional African cultures, societies and politics; independence movements; and post-colonial politics. Discusses political parties, military interventionism, ethnic conflict, development policy and democratic reform. P. So. stdg.

**BKS 341. Race and Justice. 3 credits. FA (Same as AMS 341, ANT 341, SOC 341, CRJ 341)**

This course focuses on racial and ethnic inequality in the U.S. criminal justice system. What are the determinants and consequences of prejudice and discrimination; of race and ethnicity; of ethnocentrism; sex/gender norms and class structure, as they relate to racial/ethnic minority groups/members affected by the criminal justice system? How is the society and culture we live in different from that of our parents and that of our grandparents or our great grandparents? What led to the changes we see today? Are there alternative social arrangements that may yield more equality, more efficiency, and more social justice? The goal of this course is to provide you with the basic concepts, theories, and historical context required to critically analyze and answer these questions with regard to racial/ethnic minority groups/members affected by the criminal justice system. P. Sophomore standing.

**BKS 353. Jazz in American Culture. 3 credits. OD (Same as AMS 353, MUS 353)**

Examines the relationship between American society and the development of jazz in the course of the twentieth century and beyond. Special attention will be given to those cultural, economic, and political factors which could influence jazz trends on a regional or national level.

**BKS 356. Christianity in Africa. 3 credits. OD (Same as AFS 356, THL 356)**

Introduction to religion among Africans and Africans in the diaspora. African religious concepts of time, creation, the place of humans in creation, initiation rites, marriage, procreation, death. The relationship between the ecclesial and non-ecclesial dimensions; development of the Black sacred cosmos, ritual, music, folk tradition and performance practice.

**BKS 367. The African-American Experience. 3 credits. AY (Same as HIS 367)**

Slavery, emancipation, "separate but equal", and the drive for full equality. P. So. stdg.



**BKS 372. Equality, Minorities, and Public Policy. 3 credits. AY, SP (Same as AMS 372, HIS 372, PLS 372)**

Incorporates continuing discourses between a historian and a political scientist. Exploration of the political processes whereby minorities have influenced the formulation and implementation of policy and governmental responses to demands for equal treatment. P. So. stdg.

**BKS 384. Black History Through Literature. 3 credits. OD (Same as HIS 384)**

History of Americans of African descent as found in journals, novels, and "studies." P. So. stdg.

**BKS 388. Origins of Modern Africa. 3 credits. AY (Same as AFS 388, HIS 388)**

Examination of the European impact on Africans and their institutions. P. So. stdg.

**BKS 390. Introduction To African Literature. 3 credits. OD (Same as AFS 390, ENG 390)**

Contemporary African literature. Relationship between African literature and society, emergence of national and cross-African literatures, issues of cultural conflict, language and oral tradition, and other topics. P. Critical Issues in Human Inquiry; Contemporary Composition.

**BKS 393. African-American Literature. 3 credits. SP (Same as AMS 393, ENG 393)**

A survey of representative African American literature from its inception to the present. The particular representative authors and genres and the historical focus of the course may differ each semester. P. Contemporary Composition course.

**BKS 396. Seminar in Black Studies. 3 credits. OD**

Topical seminar with topics changing in different semesters. Examination of particular ideas, developments, and issues of relevance to Africa and the African diaspora. Topics in different semesters might include detailed examination of justice and ethnicity, politics and ethnicity, comparative slave systems, slave narratives, or colonial rule in Africa and the Caribbean. P. So. stdg.

**BKS 398. Literature Of Francophone Africa. 3 credits. (Same as AFS 398, ENG 398)**

Sample of representative Francophone African literature. Nature and functions of this literature, relation between it and society. Impact of non-Western cultural context on Western literary genres. P. Contemporary Composition course.

**BKS 428. Cross-Cultural Issues in Psychology. 3 credits. FA, SP (Same as PSY 428)**

Explores gender, ethnic, and cultural factors that influence the beliefs, values, behaviors, and experiences of individuals. Provides a fundamental understanding of one's own culture and behavior through exploration of a variety of cultures.

**BKS 470. Seminar in Film Studies: African and African American. 3 credits. (Same as AES 470, ENG 470, COM 470)**

Topical seminar with topics changing in different semesters. Examination of particular areas of film and popular culture. Topics in different semesters might include detailed examination of a film genre (e.g., the western, science fiction, detective films), or film and culture studies (e.g., women and film; film and developing nations). May be repeated for credit to a limit of six hours. P. Contemporary Composition course.

**BKS 482. Race In America: Idea And Reality. 3 credits. OD (Same as AMS 482, HIS 482, PHL 482, PLS 482.)**

An examination of the idea and reality of race during key phases of U.S. history, with an emphasis on the contemporary situation. To understand the multiple meanings and experiences of race, the course draws on sources from science, literature, law, and philosophy. P. Philosophical Ideas course.

**BKS 484. Nationalist Movements In Colonial Africa. 3 credits. SP (Same as AFS 484, HIS 484)**

Examination of the social institutions of black Africa; the roles and meaning of the "tribe", ethnicity and the family. P. So. stdg.

**BKS 485. Society And Belief Systems In Africa. 3 credits. SP (Same as AFS 485, HIS 485)**

History of Africa south of the Sahara and west of the Cameroons Highlands, African cultural traditions, contact with Islam and the West, the State building, the European invasions, the colonial period, and re-emergent states. P. So. stdg.

**BKS 486. Women and Gender in Africa. 3 credits.**

A study of the roles and representations of women and gender as conceptual and analytical categories in African history and society. P. So. Stdg.

**BKS 487. History of West Africa. 3 credits. OD (Same as AFS 487, HIS 487)**

History of Africa south of the Sahara and west of the Cameroons Highlands, African cultural traditions, contact with Islam and the West, the State building, the European invasions, the colonial period, and re-emergent states. P. So. stdg.

**BKS 489. Southern Africa: The Politics Of Race. 3 credits. OD (Same as AFS 489, HIS 489)**

Examination of the historical development of the social and political structures of modern Southern Africa. Primary focus on South Africa, Rhodesia-Zimbabwe, and Namibia. Analysis of the place of "race" in national policies. Includes apartheid, black nationalism, decolonization, guided democracy, and the interrelationship between economic developments and the social and political systems. P. So. stdg.

**BKS 493. Directed Independent Readings. 1-3 credits. OD**

Course designed to allow an individual student with an interest in a particular area to pursue it under the direction of a willing faculty member. P. BKS Coordinator's consent.

**BKS 497. Directed Independent Research. 1-3 credits. OD**

Independent research course. P. IC.

**BKS 589. The Rwanda Genocide as a Challenge for the Church. 3 credits.**

Exploration of the 1994 Rwanda Genocide in historical, theological, and political contexts with particular focus on roles played by majority Catholic Church. P. THL 100.

**CAS 101. Dean's Fellows Foundational Sequence. 0 credits.**

Deans Fellows course. Graded Satisfactory/Unsatisfactory. P. Deans Fellow; IC.

**CAS 140. Current Topics: A Liberal Arts Perspective. 1 credit.**

This 1-credit course will introduce students to a College of Arts and Sciences, Liberal Arts perspective on a current topic. Students will explore the topic from a variety of disciplinary perspectives featuring lectures and discussions with several different faculty members. Students will also be introduced to BlueLine - the University's learning management system. Course will be facilitated by the Dean's office and will include a variety of faculty across several disciplines. P. Incoming freshmen only.

**CAS 201. Sophomore Advising Program. 0 credits.**

As a continuation of student's process of discernment and discover, this year long course will build on the foundation provided by RSP and provide the student with opportunities for further exploration of Creighton's Catholic, Jesuit identity and of Ignatian spirituality, and to reflect upon its relevance to the students' individual path. It will also provide activities to support continued academic and co-curricular planning and professional development to prepare for a meaningful transition to the major and pre-professional work. P. RSP 101 or 102.

**CAS 202. Sophomore Advising Program. 0 credits.**

As a continuation of students' process of discernment and discovery, this year long course will build on the foundation provided by RSP and provide the student with opportunities for further exploration of Creighton's Catholic, Jesuit identity and of Ignatian spirituality, and the reflect upon its relevance to the students' individual path. It will also provide activities to support continued academic and co-curricular planning and professional development to prepare for a meaningful transition to the major and pre-professional work. P. RSP 101 or RSP 102.

**CAS 590. Applied Research Practicum. 3 credits.**

Research course that applies Creighton undergraduate training to a problem identified by a local business partner. The course will address "real world problems" while refining problem-solving, critical thinking and communications skills. Students completing the course will better understand how their undergraduate major is applicable in an applied setting. P. Senior status.

**CHM 102. Introductory General Chemistry 1. 3 credits.**

A one-semester introduction to the approach and problem-solving skills foundational to the study of chemistry. Topics critical to the study of science include the study cycle and metacognition. Topics critical to the general chemistry sequence include the scientific method, measurements, calculations, matter, energy, the periodic table, atomic theory, atomic and electronic structure, chemical nomenclature, ionic and covalent bonding, molecular geometry and intermolecular forces. Recommended as an entry-level course for those who lack significant preparation in chemistry and/or mathematics. This course is the first course in a three-semester General Chemistry sequence. P. Open only to students with Freshman standing.

**CHM 105. Introductory Chemistry. 3 credits. FA**

A one-semester introduction to the theories and problem-solving skills foundational to the science of chemistry. Topics critical to the general chemistry sequence are introduced at a more manageable pace, and with more background. Topics include the scientific method, measurements, calculations, stoichiometry, matter, energy, the periodic table, atomic theory, chemical nomenclature, ionic and covalent bonding, chemical reactions, and thermodynamics. Recommended as an entry-level course for those who lack significant preparation in chemistry and/or mathematics.

**CHM 111. Fundamentals of General Chemistry. 3 credits. FA**

A one-semester survey of general chemistry for nursing students. Topics covered include electronic structure and periodicity, molecular structure, chemical reactions, states of matter, acid-base chemistry, and nuclear chemistry. P. Registration in Nursing Program or IC.

**CHM 112. Fundamentals Of Biological Chemistry. 3 credits. SP**

Survey of organic and biological chemistry for nursing students. Includes the study of organic functional groups and reactivity, plus the chemistry of biomolecules such as proteins, carbohydrates, lipids, and nucleic acids. P. CHM 111 or equivalent with a grade of "C" or better and Registration in Nursing Program or Instructor Consent; CO: CHM 113.

**CHM 113. Fundamentals Of Chemistry Laboratory. 1 credit. SP**

Laboratory course to be taken in conjunction with CHM 112 which demonstrates basic chemical tools and illustrates basic chemical principles. P. CHM 111 or equivalent with a grade of "C" or better and Registration in Nursing Program; CO: CHM 112.

**CHM 201. Chemistry of Consumer Products. 3 credits.**

Course in chemistry of consumer products. Topics include basic concepts of chemistry, molecular structure and chemical properties as related to consumer products including foods, paints, cleaning products, lawn and garden products, preservatives, petroleum products, plastics and materials and cosmetics.

**CHM 202. Introductory General Chemistry 2. 3 credits.**

Course in introductory chemistry which includes basic concepts: atomic structure, the mole, stoichiometry, gas laws, bonding theories, molecular structure and properties, thermochemistry, and some common reactions. This is the second semester course of a three-semester course sequence. P. A grade of B- or better in CHM 102 or IC; CO: CHM 204.

**CHM 203. General Chemistry I. 3 credits. FA, SU**

Course in introductory chemistry which includes basic concepts: atomic structure, the mole, stoichiometry, gas laws, bonding theories, molecular structure and properties, thermochemistry, and some common reactions. This is the first half of a two semester sequence. P. Satisfactory completion of the QANS Placement Exam or Sophomore Standing. CO: CHM 204.

**CHM 204. General Chemistry I Laboratory. 1 credit. FA, SU**

Laboratory portion of Chemistry 203. Experiments relevant to the content of CHM 203 are performed. CO: CHM 203.

**CHM 205. General Chemistry II. 3 credits. SP, SU**

Continuation of CHM 203. Concepts and theories covered include thermodynamics, kinetics, chemical equilibria, and applications of equilibrium theory to solubility, acids and bases, oxidation-reduction, and coordination chemistry. P. CHM 202 or CHM 203 with a grade of "C" or better. CO: CHM 206.

**CHM 206. General Chemistry II Laboratory. 1 credit. SP, SU**

Laboratory portion of Chemistry 205. Experiments relevant to the content of CHM 205 are performed. P. CHM 204 with grades of "C" or better; CO: CHM 205.

**CHM 285. Advanced General Chemistry II. 3 credits. SP**

A second-semester general chemistry course designed for potential chemistry majors and for those students interested in the health sciences who want an advanced treatment of general chemistry topics. The course will focus on kinetics, thermodynamics, and expressions of solution equilibria with applications to quantitative chemical analysis. The approach will be from a conceptual understanding of solution chemistry leading into a quantitative treatment of solution phenomena. P. CHM 203 with a grade of "B" or better. CO: CHM 286.

**CHM 286. Chemical and Statistical Analysis Laboratory. 2 credits. SP**

A laboratory-based course covering the theories and methods used in classical chemical analysis. Topics include statistical methods for evaluating and interpreting data, theory of chemical analysis and sources of error, and experiments based upon the principles of stoichiometry and equilibrium as applied to titration, precipitation, electrochemistry, and spectroscopy. P. CHM 203, grade of B or better in CHM 204; Magis Mathematical Reasoning course. CO: CHM 285.

**CHM 297. Directed Research. 0-2 credits. FA, SP, SU**

Participation in a research project under the direction of a member of the faculty. This course can be repeated for a maximum of 3 credits. P. IC.

**CHM 315. Quantitative and Statistical Analysis. 4 credits. SP**

An integrated lecture and laboratory course that presents the theories and chemical methods for solving a variety of real problems in chemical analysis. Topics covered include: statistical methods for evaluating and interpreting data, sources of error in chemical analysis, principles of stoichiometry and equilibrium as applied to precipitation, acid-base, complexometric, electrochemical, and spectroscopic analysis. Three hours of lecture and three hours of laboratory per week. P. Grade C or better in CHM 205 and CHM 206; Mathematical Reasoning course.

**CHM 321. Organic Chemistry I. 3 credits. FA, SU**

Study of the structure and properties of organic compounds, as exemplified by alkenes, alkynes, alcohols, and alkyl halides. Stereochemistry, molecular structure, principles of reaction theory, and reaction mechanisms. P. CHM 205 or CHM 285 with a grade of "C" or better. CO: CHM 322.

**CHM 322. Organic Chemistry I Laboratory. 1 credit. FA, SU**

Fundamental techniques of experimental organic chemistry. Isolation, purification, and organic synthetic methods. P. CHM 206 or CHM 286 with grades of "C" or better; CO: CHM 321.

**CHM 323. Organic Chemistry II. 3 credits. SP, SU**

Continuation of Chemistry 321. Further study of the principles of organic structure and reaction theory, including delocalized systems. Exploration of the chemistry of aromatic compounds, carbonyl compounds, and others, with additional emphasis on organic synthesis and structural analysis by spectroscopic methods. P. CHM 321 with a grade of "C" or better. CO: CHM 324.

**CHM 324. Organic Chemistry II Laboratory. 1 credit. SP, SU**

Further study of practical organic reactions, the use of spectroscopic methods (NMR and IR) to elucidate and confirm organic structures, and multistep organic synthesis. P. CHM 322 with grades of "C" or better; CO: CHM 323.

**CHM 331. Concepts of Physical Chemistry. 3 credits.**

A one-semester survey of physical chemistry. Topics include thermodynamics, equilibrium, kinetics, quantum theory, and spectroscopy. An emphasis will be placed on application with examples taken from chemical and biochemical systems. This course is for students in the Biochemistry (B.S.) major only. All other students should take CHM 341. This course does not fulfill the requirement for the B.S.Chm. degree. P. MTH 246 or MTH 249 and PHY 201 or PHY 213 or PHY 221. P or CO: PHY 202 or PHY 214 or PHY 222.

**CHM 341. Physical Chemistry I. 3 credits. FA**

An introduction to thermodynamics including equations of state, the first and second laws of thermodynamics, heat capacity, enthalpy, adiabatic processes, entropy, and Gibbs free energy. An introduction to kinetics including the Maxwell-Boltzmann distribution, collision frequency, mean free path, reaction rates, collision density, elementary reactions, and approximate rate laws. The additional mathematics required to understand these topics will also be covered. P. MTH 246 or MTH 249 and PHY 201 or PHY 213 or PHY 221. P or CO: PHY 202 or PHY 214 or PHY 222.

**CHM 342. Physical Chemistry Laboratory. 2 credits. SP**

Experiments explore topics from chemical thermodynamics, equilibrium, kinetics, quantum mechanics, spectroscopy, and statistical mechanics. Experimental results are analyzed and reported in a format appropriate for publication in a peer reviewed physical chemistry journal. CO: CHM 343. P. One Magis Core Contemporary Composition course.

**CHM 343. Physical Chemistry II. 3 credits. SP**

An introduction to chemical applications of quantum mechanics including the particle-in-a-box, the harmonic oscillator, the rigid rotor, the hydrogen atom, and approximate methods for atoms and molecules. An introduction to spectroscopy including selection rules, rotational, vibrational, rovibrational, and electronic spectra, and lasers. The additional mathematics required will also be covered. P. CHM 341; CO: CHM 342.

**CHM 349. Introduction to Computational Chemistry. 3 credits.**

Introduction to the theory and practical application of computational methods to modeling chemical and biochemical processes. Methods include molecular mechanics, density functional theory, and solvent models. Topics include potential energy surfaces, bonding, spectroscopy, solvent effects, and macromolecular structure. Course provides hands-on experience using molecular modeling software and scientific computing resources. P. CHM 371 or CHM 383, MTH 246 or MTH 249, PHY 202 or PHY 214, or IC.

**CHM 351. Descriptive Inorganic Chemistry. 2 credits. OD**

A systematic study of the main-group elements with an emphasis on chemical reactions, properties, and processes important to the natural world. Lecture topics will be integrated with laboratory experiments to provide a broad introduction to descriptive inorganic chemistry and its key concepts. P. CHM 205 and CHM 206 or CHM 285 and CHM 286.

**CHM 371. Biochemistry of Metabolism. 3 credits. FA, SP**

A one-semester survey of biochemistry. Topics covered include structure and function of biomolecules, metabolism and bioenergetics. An emphasis will be placed on biomedical examples. Does not fulfill the requirements for the B.S.Chm.:Biochemistry Track or Biochemistry (B.S.) major. P. Junior standing and C or better in CHM 323 and BIO 202; OR Junior standing and a B or better in both CHM 321 and BIO 362 (or both CHM 321 and BIO 317), with CHM 323 being corequisite.

**CHM 382. Biochemistry Laboratory. 2 credits. FA, SP**

Introduction to several important biochemical and biophysical measurements and methods including strategies for analyzing biologically-important compounds, assaying biological activity, and purifying nucleic acids. Satisfies Magis Designation: Oral Communication. P or CO: Oral Communication, CHM 371 or CHM 383, and Biochemistry major, or IC.

**CHM 383. Biochemistry I. 3 credits. FA**

Structure and function of the major classes of biomolecules including proteins, nucleic acids, lipids, and carbohydrates. Enzymatic reaction mechanisms and kinetics will also be studied. P. Grade of C or better in BIO 202 and CHM 323; Note: Course open only to Biochemistry majors or with instructor consent; does not cover some concepts essential to pre-health tracks unless taken with CHM 384.

**CHM 384. Biochemistry II. 3 credits. SP**

An overview of biological membranes and transport, as well as biosignaling. Metabolic processes and energy utilization of carbohydrates, lipids, nucleic acids and proteins will be emphasized. P. CHM 383 with a grade of C or better; open to all tracks/majors of the Chemistry Department or Instructor consent.

**CHM 392. Forensic Chemistry. 3 credits.**

A one semester laboratory course designed to investigate topics in forensic biochemistry, this class will focus on the processing techniques for: biological, chemical, drug, hair, and other evidentiary items found in crime scenes; as well as the instruments used in processing; FTIR, GCMS, and Bioanalyzer. This course satisfies Magis designated Ethics, Oral Communication, and Written Communication course. P. Oral Communication course; Contemporary Composition course, Ethics course, and CHM 371 or CHM 382.

**CHM 421. Selected Topics In Organic Chemistry. 3 credits. OD**

Study of classes of compounds and reactions of organic chemistry not covered in the regular two-semester sequence (CHM 321, 323). Possible topics include stereochemistry, natural products, computational methods in organic chemistry, physical organic chemistry, photochemistry and other topics of current interest. P. CHM 323.

**CHM 445. Chemical Thermodynamics. 2 credits. OD**

This course will provide a more extensive introduction to classical thermodynamic theory, including treatments of the laws of thermodynamics, conditions of equilibrium, thermodynamics of gases and solutions, and ideal and non-ideal behavior. P. CHM 343.

**CHM 446. Statistical Mechanics. 2 credits. OD**

The mathematical study of the connection between quantum mechanical behavior of individual atoms and molecules and their consequent macroscopic properties and phenomena. P. CHM 343.

**CHM 448. Group Theory. 2 credits. OD**

This course will present an introduction to the theory of group representations. Topics will include the mathematical foundations of abstract group theory, including reducible and irreducible representations. Physical applications of group theory will include crystallographic point groups, group theoretical techniques in quantum mechanics, angular momentum, and vibrational spectroscopy. P. CHM 343.

**CHM 451. Inorganic Chemistry I. 3 credits. FA**

Relation of atomic and molecular structure to chemical and physical properties. Periodicity and descriptive chemistry of inorganic classes and groups. Topics covered include group theory, MO theory, molecular and ionic structures, redox reactions, acid/base theories, and coordination compounds. P. CHM 343.

**CHM 456. Instrumental Analysis. 3 credits. FA**

A senior level course on instrumental techniques used in analytical chemistry. Emphasis will be on modern instrumentation theory and applications in spectroscopy, electrochemistry, and chromatography. P. CHM 331 or CHM 343; CO: CHM 466.

**CHM 466. Instrumental Analysis Laboratory. 0-2 credits. FA**

A laboratory-based course covering the theories and methods used in modern instrumental analysis. Topics include the theory and practice of instrumental techniques, statistical methods for evaluating and interpreting data, sources of noise and error, and experimental methods in spectroscopy, electrochemistry, and chromatography. One hour of recitation and three hours of laboratory per week. P. CHM 286 or CHM 315; CO: CHM 456.

**CHM 492. Industrial Internship. 1-3 credits. FA, SP**

Each student will spend one day per week or its equivalent in an industrial plant or laboratory. Registration must be preceded by the student submitting a resume, a letter of application, and arranging for a personal interview with one or more industrial concerns prior to the registration date. Each student must be accepted by or have worked for an industrial employer prior to registration. P. CHM 315 or CHM 285, and CHM 286.

**CHM 493. Directed Independent Readings. 0-3 credits. FA, SP, SU**

Assigned reading in a special area of interest. The course is repeatable for a max of 6 credits.

**CHM 495. Directed Independent Study. 1-3 credits. FA, SP, SU****CHM 496. Directed Independent Research I. 0-3 credits. FA, SP, SU**

Participation in a pre-approved independent research project under the direction of a member of the department faculty. The course is repeatable for a max of 8 credits. P. CHM 297 or CHM 321, CHM 322; Ethics course.

**CHM 497. Directed Independent Research II. 0-2 credits. FA, SP, SU**

Final participation in a pre-approved independent research project under the direction of a member of the department faculty. Students register for this course in their final semester of research. They are required to give a public presentation of their work and submit a research report. Research projects in chemistry conducted outside the department may also be acceptable. Satisfies Magis Designation: Written Communication. The course is repeatable for a maximum of 2 credits. P. CHM 323, CHM 324, CHM 496; Contemporary Composition course; IC.

**CHM 498. Directed Independent Research - Special. 0-2 credits.**

Participation in a pre-approved independent research project conducted outside the Creighton University Chemistry Department. The course is repeatable for a max of 6 credits. P. CHM 324 or CHM 285; CHM 286; IC.

**CHM 499. Chemistry Seminar. 1 credit.**

Presentations on chemical and biochemical research and career-oriented topics by visiting scientists and scholars, and Creighton faculty and students. Modern ethical challenges in the discipline will also be considered. Prereq: Ethics; CHM 323; CHM 324.

**CHM 502. Inorganic Chemistry II. 3 credits. SP**

Additional topics in inorganic chemistry. Emphasis on organometallic chemistry of transition metals, synthesis and chemical reactivities of inorganic and organometallic compounds. P. CHM 451.

**CHM 515. Green and Sustainable Chemistry Laboratory. 2 credits.**

Green chemistry is a set of ideals that considers human beings and the environment when designing a chemical reaction, experiment, or process. This laboratory-based course implements the twelve principles of green chemistry to various areas of chemistry. The experiments focus on pollution prevention, energy minimization, and safety. A one-hour recitation where theories are presented and discussed accompanies the laboratory.

**CHM 521. Advanced Organic Chemistry: Synthetic Organic Methods. 3 credits. OD**

A contemporary survey of the analysis, design, and execution of new methods and innovative total syntheses in organic chemistry. Approaches and techniques for critical reading, discussion, and application of the literature of organic chemistry will be introduced and developed. P. CHM 323; Magis Core Ethics course; Magis Core Contemporary Composition course; Magis Core Oral Communication course.

**CHM 523. Bioorganic Chemistry. 3 credits. OD**

A survey of current topics at the interface of organic chemistry and biology, with emphasis on a chemical understanding of biological infrastructure, the interactions of small organic molecules within biochemical systems, structure-activity relationship profiling of natural and synthetic drugs, and the relevance of small molecule therapeutics in modern society. P. CHM 371 or CHM 383.



**CHM 525. Organic Spectroscopic Analysis. 3 credits. OD**

A study of infrared, nuclear magnetic resonance, and ultraviolet spectroscopy and mass spectrometry. Emphasis on both the theoretical basis of each method and the application of the methods to structure determination and other interesting chemical problems. P. CHM 323, CHM 324, or IC.

**CHM 526. Practical Spectroscopy: NMR. 2 credits.**

A practical course of NMR operation and experiment design. NMR probe tuning, shimming, determination of 90 degree pulses and relaxation times, advanced 1D and basic 2D experiments will be described and practiced. P. IC.

**CHM 527. Polymer Chemistry. 3 credits. OD**

The goal of this course is to expose students to the fundamentals of polymer chemistry. The course will focus on some of the key synthetic methods and physical properties of polymers. Practical applications of polymer chemistry in society will be a theme throughout the course. P. CHM 323 or IC.

**CHM 528. Polymer Chemistry Laboratory. 1 credit.**

The goal of this course is to expose students to the fundamentals of polymer syntheses and characterization. The course will focus on some of the key synthetic methods for making plastics and the characterization techniques for determining the physical properties of the polymers. Practical applications of polymer chemistry in society will be a theme throughout the course. P or CO: CHM 527.

**CHM 532. Mathematical Concepts In Chemistry. 3 credits.**

Applications utilizing statistics, mathematical operators, vectors, determinants, group theory, series expansions, and basic differential equations in the modeling of chemical systems. P. MTH 246.

**CHM 543. Selected Topics In Physical Chemistry. 3 credits. OD**

Selected topics from physical chemistry that match the interests of faculty and students will be discussed. The course will begin with review of related material from CHM 341 and CHM 343 and end with current research. P. CHM 343.

**CHM 544. Quantum Chemistry. 2 credits. OD**

This course is designed to teach the mathematical background of quantum chemistry. Topics covered include operator algebra, quantum mechanical postulates, rigid rotor and harmonic oscillator model systems, applications to chemical systems, and computational chemistry. P. CHM 343.

**CHM 545. Advanced Kinetics. 2 credits. OD**

This course is designed to teach the mathematical skills necessary for modeling kinetic systems in chemistry. Topics covered include differential equation techniques, elementary rate laws, composite rate laws, collision theory, transition state theory, reaction dynamics, and potential energy surfaces. P. CHM 343.

**CHM 548. Chemical Applications of Spectroscopy. 2 credits.**

This is a laboratory course designed to illustrate the theory and applications of spectroscopic analysis to chemical research. Techniques investigated will include IR, UV-Visible Fluorescence/Phosphorescence, Raman, and NMR spectroscopy. Both gas-phase and solution-phase problems will be studied. P. CHM 343.

**CHM 549. Computational Chemistry. 2 credits.**

This course is designed to introduce students to the applications of computational chemistry in chemical research. Students will learn about the variety of computational methods available including molecular mechanics, semi-empirical, Hartree-Fock, and density functional theory. Laboratory projects will include application of these methods to problems in organic, inorganic, and biological chemistry P. CHM 343.

**CHM 556. Electrochemical Methods. 3 credits.**

This lecture course covers the fundamentals of electrochemistry and the application of electrochemical methods to chemical problems. It describes electrochemical terms, electrode potentials and processes, along with a historical perspective of electrochemical methods. It covers specific electrochemical techniques and the role of electrochemistry when applied to other fields of science. P. CHM 456.

**CHM 570. Biochemistry of Exercise and Nutrition. 3 credits.**

This course will focus on the effects of exercise and nutrition on cellular processes from a mechanistic and biochemical perspective. Topics will include nutrients and their metabolism within the human body at the molecular and cellular levels as well as the biochemistry of muscular processes, hormones, and exercise metabolism. P. CHM 371 or CHM 383.

**CHM 575. Nucleic Acid Biochemistry. 3 credits. OD**

This course presents an in-depth investigation of the current research in nucleic acid biochemistry. The class will focus on the structure and function of nucleic acids, biochemical processes involving nucleic acids, interactions of nucleic acids with proteins and drug molecules, catalytic nucleic acids, and the genome and genetic engineering. The current literature will serve as source material for study and discussion. P. CHM 371 or CHM 383.

**CHM 576. Protein Biochemistry. 3 credits.**

This course will introduce students to current views of protein structure and function. Students will become educated consumers of the wealth of information available in protein sequence and structure databases and will develop knowledge of techniques required to characterize their own proteins in the laboratory. P. CHM 371 or CHM 383.

**CHM 577. Biophysical Chemistry. 3 credits.**

An introduction to the principles and experimental approaches used to study structure and function of biological macromolecules. Topics include thermodynamics and kinetics of macromolecules and their interactions, protein and nucleic acid structure, folding and stability, and common biophysical methods. P. CHM 331 or CHM 341, CHM 371, CHM 383.

**CHN 111. Beginning Chinese for Daily Life I. 4 credits.**

This course introduces students to the language by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as provides a broader awareness of and appreciation for the cultures of the countries where Chinese is spoken.

**CHN 112. Beginning Chinese for Daily Life II. 4 credits.**

This course continues to develop the language-learning process by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as provides a broader awareness of and appreciation for the cultures of the countries where Chinese is spoken. P. CHN 111 or equivalent.

**CHN 225. Intermediate Chinese. 3 credits.**

This course is designed to help students make the transition to natural communication and develop the language-learning process by focusing on the expansion of necessary elements for development of the practical language skills (listening, speaking, reading, and writing) by using cultural and literary readings as well as grammatical exercises. It also provides a broader awareness of and appreciation for the cultures of the countries where Chinese is spoken. P. CHN 112 or equivalent.

**CHN 313. Contemporary Chinese Culture. 3 credits.**

This course is designed to introduce students to Chinese culture and civilization in English translation. Highlights of ancient, modern and contemporary historical periods will be introduced, as well as selected readings. Students will acquire a broader knowledge of Chinese culture and civilization by examining pieces of Chinese literature, music, film, religion, ethnicity and food, and environment. The course will also explore processes of change and continuity in China, and exam the complexity of social issues and dynamics of cultural unity and diversity. This course is conducted in English.

**CHN 495. Directed Independent Study. 1-3 credits.**

Repeatable up to 3 credits. P. IC.

**CNE 170. Love, Marriage and the Family in Classical Antiquity. 3 credits.**

By analyzing ancient texts and material culture, this course explores how the Greeks and Romans defined and experienced family, with an eye to issues of diversity and social justice. Questions addressed include who had the right to marry, reasons for marriage, the status of marriage, definitions of marriage, divorce, the roles of men, women, and children in the family and household religion, and how the experience of family differed by status (male, female, child, slave, freedman). CO: COM 101.

**CNE 171. War in Literature. 3 credits.**

This literary study of war invites students to consider via readings from various authors, genres, and cultures social justice issues such as the justifications for wars and their toll on human resources, values, and lives from antiquity through the present day. CO: COM 101.

**CNE 172. Muhammad in Muslim Life and Thought. 3 credits.**

Future relations with the Muslim world depends on understanding Muslim devotion to Muhammad. We will explore this devotion by examining Muhammad's depiction in literature and popular rituals. We will also examine how his legacy continues to be (re)constructed by Muslims with competing socio-political agendas, i.e., conservative, liberal, and progressive. CO: COM 101.

**CNE 230. Make 'Em Laugh: Serious Topics in Humorous Greek and Roman Literature. 3 credits.**

This course is a survey of Greek and Roman humorous genres. Focus will be on typical topics and themes explored in these various genres, how the genre affects the presentation of these topics and themes, and how these topics and themes reflect the attitudes of the cultures in which they were written. P. Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**CNE 231. Topics in Arabic Literature in Translation. 3 credits.**

This course is a survey of the history, composition, and structure of The Arabian Nights, with selected reading of some of its central tales. What is the tales' origin? Who "wrote" them? Why do they continue to enchant Westerners? And what does it reveal about the Islamic world and Western engagement therewith? P. Critical Issues in Human Inquiry or HRS 100 or HRS 101.

**CNE 232. Heroes, Ghosts, Witches, Gods and Monsters: Classical Mythology. 3 credits.**

Nature and function of myth and legend; artistic, religious, psychological, and anthropological implications; influence on early and later literature and on art. P. Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**CNE 233. The Hero in Antiquity. 3 credits.**

Literary criticism of a broad range of ancient literature, including epic, tragedy, comedy, lyric poetry, and philosophical dialogues, with special focus on the role of heroism within society. P. Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**CNE 234. Epic Literature. 3 credits. SP**

Homer's Iliad and Odyssey, Vergil's Aeneid, and, for purposes of comparison, the Epic of Gilgamesh and other epic literature with attention to cultural context, the heroic character, and poetic technique. P. Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**CNE 280. Sport and Athletics in the Ancient Mediterranean. 3 credits.**

(Same as HIS 280)

This course explores the critical role of athletics and sport in the ancient Mediterranean. Sport was fundamentally linked to social and cultural identity and usually performed in public, often religious or funerary, celebration. The course will end with an overview of the legacy of ancient sport, especially the revival of the Olympic Games. P. One Magis Core Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**CNE 281. Ancient Greece. 3 credits.**

This course is an introduction to the history of Greece from the Minoans in the 12th century B.C.E. through the fall of Greece to Rome in 146 B.C.E., with a particular focus on the political, social, and cultural developments. P. Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**CNE 282. Ancient Rome. 3 credits.**

This course is an introduction to Roman history from the Founding of Rome in the 8th century B.C.E., through the fall of the Roman Empire in the 5th century A.D., with a particular focus on the political, social, and cultural developments. P. Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**CNE 300. Introduction to the Ancient Mediterranean World. 3 credits. SP (Same as GRK 300, LAT 300)**

General introduction to the ancient Near Eastern, Egyptian, Greek and Roman world, focusing on the history, literature, material culture, religion and/or philosophy of each culture. Readings from ancient and modern sources. P. Contemporary Composition; Oral Communication.

**CNE 303. Introduction to the Early Medieval World. 3 credits. OD**

A general interdisciplinary introduction to the early Medieval World in the Latin West. Readings will be drawn from a variety of disciplines, such as history, literature, religion, philosophy, theology, art, and music.

**CNE 304. Introduction to the Later Medieval World. 3 credits. OD**

A general interdisciplinary introduction to the later Medieval World in the Latin West. Readings will be drawn from a variety of disciplines, such as history, literature, religion, philosophy, theology, art, and music.

**CNE 315. Religions In The Greco-Roman World. 3 credits. OD**

Beliefs and rituals of the religions of ancient Greece and Rome, including the mystery religions.

**CNE 323. Classical Greek Drama. 3 credits. OD (Same as THR 323)**

Selected works of Greek dramatists. The influence of Greek drama on English literature and on modern drama.

**CNE 348. Muhammad And The Rise Of Islam. 3 credits. OD (Same as HIS 348)**

The course examines the emergence and flowering of Islamic civilization from the time of the prophet, Muhammad, until the sack of Baghdad by the Mongols in 1258. Topics include Muhammad's prophetic mission, the Arab Kingdom of Damascus, the rise of the Abbasids, and the classical civilization of the High Caliphate. P. So. stdg.

**CNE 349. Egyptian Art And Archaeology. 3 credits. OD (Same as ARH 349, HIS 349, THL 349)**

This course surveys ancient Egypt from the prehistoric/predynastic periods beginning around 4,000 BCE through the incorporation of Egypt into the Ptolemaic then Roman Empires at the end of the first millennium BCE. You will learn about the changing historical and cultural contexts of Egyptian art and architecture, exploring topics such as the meaning and audience of Egyptian art, the relationship between writing and artistic representation, the art of death, and the connections between art, religion, kingship, and the Egyptian worldview. Along the way, you will also learn about the history of the field of Egyptology, the relationship of modern Egypt to ancient Egypt, and how "the west" has constructed, used, and abused a constructed "ancient Egypt." Satisfies Magis Core: Fine Arts.

**CNE 350. Archaeology of Israel & Jordan. 3 credits. OD (Same as ARH 350, HIS 350, THL 350)**

A chronological survey of the archaeology of Israel and Jordan, providing a material perspective on the history of society, economy, and religion of the people from the Neolithic period to the Byzantine Period.

**CNE 351. Warfare in the Classical World. 3 credits. (Same as HIS 351)**

This course will study warfare as it was conducted and imagined in the Greek and Roman worlds. Using both primary evidence and secondary scholarship, we will examine practical manuals of tactics and siege warfare, as well as literary works from a variety of genres. We will also consider material evidence, such as visual and monumental depictions of warfare, and their role in producing cultural meaning.

**CNE 354. Greek Art and Archaeology. 3 credits. OD (Same as ARH 354)**

Study of the sculpture, painting, architecture, and sites of ancient Greece with emphasis on their archaeological, historical, and geographical aspects.

**CNE 357. Ancient Near Eastern Art And Archaeology. 3 credits. OD (Same as ARH 357)**

History of painting, sculpture, architecture, and minor arts in the Ancient Near East from c. 3500 B.C. to the conquest of Achaemenid Persia by Alexander the Great in 331 B.C. Regionally, the course will survey the arts in Mesopotamia, in such peripheral areas as Anatolia and the Levant, and in ancient Iran.

**CNE 358. An Introduction to Roman Law. 3 credits. OD**

An introduction to Roman Civil, Constitutional, and Criminal Law. Civil Law will be studied topically and through cases. Constitutional and Criminal Law are studied in their historical development and topically, through case studies. Careful thinking, the special genius of Roman Law, and its impact on the modern world will be major themes of the course. No previous experience in Classical Studies or Latin required.

**CNE 360. History of Medieval Ethics. 3 credits. (Same as PHL 360)**

An investigation of mediaeval ethics, tracing its roots in classical antiquity and religious tradition, outlining its innovations, and outlining the ways in which it lays the foundations of modern ethics. P. Philosophical Ideas course, Ethics course.

**CNE 362. Imaging Christ: The Challenge of Early Christian Art. 3 credits. OD (Same as ARH 362)**

Study of the development of early Christian architecture, painting, sculpture, and industrial arts; archaeological excavation of early churches and catacombs with emphasis on problems of interpretation; Western and Byzantine iconography.

**CNE 365. Greek Art. 3 credits. OD (Same as ARH 365)**

Sculpture, painting, and the minor arts of Greece.

**CNE 366. Etruscan and Roman Art. 3 credits. OD (Same as ARH 366)**

Sculpture, painting, and the minor arts of the Etrusco-Roman people.

**CNE 369. Medieval Art and Architecture. 3 credits. OD (Same as ARH 369)**

Architecture, painting, and sculpture of Europe from the 4th century to the 14th century.

**CNE 370. Ancient Greek and Roman Philosophy. 3 credits. AY (Same as PHL 370)**

Examination of the origins and development of Western philosophy in ancient Greece and Rome from the pre-Socratics to Hellenistic philosophy, with substantial study of the works of Plato and Aristotle. P. Philosophical Ideas course.

**CNE 371. History of Hellenistic Philosophy. 3 credits. AY (Same as PHL 371)**

Examination of the development of Western philosophy after Aristotle during the Hellenistic period in ancient Greece and imperial Rome. The study of Epicureanism (pleasure is the highest good), Stoicism (living in agreement with nature is the highest good), Skepticism (peace of mind is gained by suspending one's judgment on all dogmatic claims to truth), and Neo-Platonism. P. Philosophical Ideas course.

**CNE 372. History of Medieval Philosophy. 3 credits. AY (Same as PHL 372)**

Study of St. Augustine and the development of Scholasticism; the Arab commentators; the achievements of St. Thomas Aquinas; Duns Scotus; William of Ockham and the rise of nominalism. P. Philosophical Ideas course.

**CNE 401. Greek History to the Peloponnesian War. 3 credits. AY, FA (Same as HIS 401)**

The political and social history of Greece, with excursions into its material culture, from prehistoric times through the end of the Peloponnesian War.

**CNE 402. Alexander the Great and His Legacy. 3 credits.**

The political and social history of Greece from the end of the Peloponnesian War through the fall of Greece to Rome in 146 B.C. Emphasis will be placed on Alexander's conquests and the lasting influence of Hellenistic political, social, and cultural institutions.

**CNE 403. The Roman Republic. 3 credits. AY, FA (Same as HIS 403)**

The political and social history of Rome with excursions into material culture covering developments from the Bronze Age to the end of the Roman Republic. Some emphasis will be placed on the political structures of the Republic, both in seeking the antecedents of the American constitution and in analyzing the causes of the Republic's fall.

**CNE 404. The Roman Empire. 3 credits. AY, SP (Same as HIS 404)**

The political and social history of the Roman Empire, with excursions into its material culture, from the Age of Augustus through the reign of Constantine the Great. Emphasis will be placed on the provinces and the diverse ethnic groups within the Empire.

**CNE 405. Jews & Judaism: History, Heroes, Holidays. 3 credits.**

This course explores Jews and Judaism thematically from the biblical period through the modern world. There are many ways to view Jews: religious beliefs and rituals, shared historical and cultural experiences, political doctrines, ethnic connections, kinship. There is also the prophetic command "to be a light unto the nations," illuminating and being of service to all humanity. This course will explore dynamic features of Judaism that allow us to identify a community as Jewish. It will also seek to delineate the resilience and creativity that Jews have developed in the face of implacable hatred and persecution. In this way, students will be led to reflect on the universal struggle for justice, equality, and dignity and to expand the opportunities to experience these positive features of life through personal experience and service. P. Critical Issues in Human Inquiry; Senior standing.

**CNE 410. Stoicism. 3 credits. OD (Same as PHL 410)**

Study of the philosophy originated by Zeno of Citium in the Stoa Poikile in Athens around 300 BCE and the influence of Stoicism in the history of Western philosophy. Investigation of the Stoic system of physics, logic, and ethics; the doctrines of naturalism, rationalism, fatalism, providence, cosmopolitanism, autarky, apatheia, and suicide. Possible topics include philosophy of mind, philosophy of language, freedom and determinism, and political philosophy. P. Philosophical Ideas course.

**CNE 418. Great Empires of the Near East. 3 credits. (Same as HIS 418)**

This course will examine the history, culture, and society of the peoples of Mesopotamia, including the Sumerians, Akkadians, Babylonians, Assyrians, Hittites, and Persians. Focus will be given to their distinctive institutions and world-views and how these are expressed through their cultural artifacts and social system.

**CNE 419. Ancient Egypt: History, Society and Culture. 3 credits. (Same as HIS 419)**

This course will explore the history, society, economy, and religion of ancient Egypt from the predynastic era through the Ptolemaic period, as revealed through its artistic and material remains. Attention will be given to how sculpture, painting, architecture, and other material remains provide a window on Egyptian life and thought.

**CNE 420. Selected Topics In Ancient History. 3 credits. OD (Same as HIS 420)**

Topical approach to selected problems or special periods in ancient history. Course will be subtitled in the Schedule of Courses. Course is repeatable as long as subtitle is different.

**CNE 423. Greek and Roman Comedy. 3 credits. OD**

Origins, literary characteristics, and influence of Greek Old and New Comedy and Roman Comedy: Aristophanes, Menander, Plautus, and Terence. Theory of the comic.

**CNE 430. Selected Topics In Ancient Art And Archaeology. 3 credits. OD (Same as ARH 430)**

Topical or regional focus in the area of ancient art and/or archaeology. Course will be subtitled in the Schedule of Courses. Course is repeatable as long as subtitle is different.

**CNE 436. Exploring Italy. 3 credits. (Same as ARH 436, ITA 436)**

Students will learn the history of culinary culture, including cuisine, food production, and artisanal activity, through a week spent in Umbria. Students will then learn about the great political and artistic patrimony of Italy in the city of Rome, covering all periods of the city but with a special emphasis on the ancient and the modern city.

**CNE 440. Selected Topics In Classical Literature. 3 credits. OD**

Topical approach to selected problems or themes in ancient literature. Course will be subtitled in the Schedule of Courses. Course is repeatable as long as subtitle is different.

**CNE 461. The City of Rome in Antiquity. 3 credits. OD (Same as ARH 461)**

An Architectural, Artistic, and Social Historical Survey of the city of Rome, concentrating on the ancient city but also tracing its development (as appropriate) through modern times. Political History will be covered to the extent needed to provide a framework for the course, but does not overlap with CNE404/HIS 404.

**CNE 462. Homer, Troy and the Trojan War. 3 credits. OD**

Study of the literature, mythology, art and archaeology connected with the Trojan War. An examination of the historicity of the Trojan war, with discussion of questions such as: can literature be used as a guide to archaeology? Can the archaeological record confirm or deny the reality of the Trojan War?.

**CNE 464. Selected Topics in Ancient Philosophy. 3 credits. OD (Same as PHL 464)**

Topic approach to selected problems or themes in ancient philosophy, or focus on an individual philosopher or school of philosophy. Course will be subtitled in the Schedule of Courses. P. Philosophical Ideas course.

**CNE 465. The City of Rome. 3 credits. (Same as ARH 465)**

An architectural, urban, and social historical survey of the city of Rome from the end of the Empire, through the Middle Ages and Renaissance, and ending with the modern city. The class will focus on urban history, theory and design, but will cover political history to the extent needed to provide a framework for the course.

**CNE 493. Directed Independent Readings. 1-3 credits. FA, SP, SU**

Credit by arrangement. Designed to meet the special needs of qualified students. May be repeated to a limit of six hours. P. DC.

**CNE 497. Directed Independent Research. 1-3 credits. OD**

May be repeated to a limit of six hours. P. DC.

**CNE 498. Senior Capstone Seminar. 3 credits. FA (Same as GRK 498, LAT 498)**

Directed research on a general topic; preparation and public presentation of a senior thesis. CNE 498 open only to Classics majors.

**CNE 523. Israelite Religions. 3 credits. (Same as THL 523)**

This course will examine the manifold expressions of Israelite religions - biblical, archaeological, and epigraphic. Emphasis will be placed on the diversity of Israelite religions and the relationship of Israelite religions to the religions of her Near Eastern neighbors. P. Jr. stdg.

**CNE 524. History of Ancient Israel. 3 credits. OD (Same as HIS 524, THL 524)**

An examination and reconstruction of the history of ancient Israel from biblical and other ancient New Eastern literary texts, and from archaeological and epigraphic materials. P. THL 100 and a 200-level Scripture course and Jr. stdg.

**CNE 525. Archaeological Fieldwork And Analysis. 3 credits. SU (Same as ANT 525, THL 525)**

The student learns the principles of stratigraphic archaeology (or underwater archaeology) by participating in an excavation for a minimum of four weeks. The student will learn stratigraphic theory and excavation strategy, basic archaeological techniques, and the basic analysis of archaeological materials recovered from the site. (Underwater archaeologists will learn basic underwater techniques in place of some terrestrial methods.) CO: CNE 526.

**CNE 526. Archaeology Of Roman Palestine. 3 credits. SU (Same as ANT 526, THL 526)**

This is a study of ancient Palestine from the rise of the Herodian dynasty in the first century BCE to the aftermath of the Muslim conquest in the seventh century CE. The material of the course is the physical remains of archaeological sites throughout modern Israel, along with movable cultural remains that issued from these sites. The major focus of the course will be the interaction between classical Mediterranean civilization on the one hand, and the Jews and other Middle Eastern peoples on the other, in the age that yielded Rabbinic Judaism, Christianity, and Islam. CO: CNE 525.

**CNE 529. Translations of the Bible. 3 credits. OD (Same as THL 529)**

Various ancient translations of the Bible and their significance. P. THL 100 and a 200-level Scripture course and Jr. stdg.



**COM 000. COM Transfer Credit. 1-21 credits.****COM 101. Digital Communication Lab. 1 credit.**

An introduction to the process by which informed, sound, and sensitive messages are formulated and delivered to influence decision-making. Emphasis on developing analytic approaches to message preparation: the validity, credibility, and uses of evidence; patterns of inference; and the selection and presentation of judgments. CO: Critical Issues in Human Inquiry course.

**COM 152. Civic Engagement through Public Communication. 3 credits. FA, SP, SU**

An introduction to the process by which informed, sound, and sensitive messages are formulated and delivered to influence decision-making. Emphasis on acquiring common analytic approaches to message preparation: the sources, credibility, and uses of evidence; patterns of inference; and the selection and presentation of judgments. Students apply critical thinking skills to solve problems and build consensus in interpersonal, small-group, and public settings.

**COM 170. Communication across Cultures. 3 credits.**

Communicating across Cultures will explore how we communicate interculturally, focusing first on the interpersonal (fact-to-face) communication that happens when we volunteer, travel, and socialize, and then on meta-level communication that audiences receive through media depictions of cultures (both explicit and implied). CO: COM 101.

**COM 171. Friendships and Our Changing Social World. 3 credits.**

Friendships are common and important human experience; they are often seen as egalitarian but can also (re)produce hierarchies. Students will understand the dimensions of friendships (from Aristotle's notions to Facebook "friends") and critically analyze the functions of friendships and the role they play in constructing social structure. CO: COM 101.

**COM 172. Princesses, Brides and Mothers. 3 credits.**

This course will descriptively and critically examine princesses, brides, and mothers as feminine icons. CO: COM 101.

**COM 173. Health, Communication, and Media. 3 credits.**

This course explores how popular media functions to influence health beliefs and behaviors. We will examine the effects health beliefs have on our interactions with others and critically evaluate health messages. Students will gain an understanding of how socially held health beliefs can privilege some groups in society over others. CO: COM 101.

**COM 174. From Big Brother to Big Data: Surveillance Culture. 3 credits.**

Recent breaking news has brought the topic of surveillance to the forefront of the U.S. American attention span. However, surveillance is hardly a new topic. This class examines surveillance as a critical issue that intersects our everyday lives. We will examine surveillance as government action, economic activity, and personal practice. This course will also task students with considering the ways surveillance practices disproportionately impact marginalized populations. CO: COM 101.

**COM 175. Diverse Family Communication on Challenging Topics. 3 credits.**

This course explores the communicative experiences of diverse families during adolescence, focusing on ways families talk about challenging or taboo issues. This course focuses on "the family during adolescence" as a framework for communication analysis, and examines topics such as adolescent identity, racism/sexism, body image, adolescent stereotyping, peer-pressure, bullying/gossip, social media, and risky health behaviors. CO: COM 101.

**COM 176. Talk to Me, TED: Leadership, Social Media, and Communication. 3 credits.**

Social media, communication, and leadership on their own have the ability to attract and form agents of change. Through social media, leadership and communication emerge to provide a unique opportunity for establishing power and change. In an instant, leaders are capable of reaching new audiences and sharing topics related to diversity and social justice with the masses. Students in this course will examine how social media allows or constrains leaders (and potential leaders) access to audiences while spreading their message. CO: COM 101.

**COM 177. Being Color Brave: Race, Privilege, Oppression, and Justice. 3 credits.**

Using the standpoint of race, students examine how privilege, power, and difference operate among individuals and within institutions to create conditions of (in)justice. Students examine the importance of language; connections to service, social justice and human dignity; and articulate current events that exemplify privilege, power and/or oppression in moving toward become color brave. CO: COM 101.

**COM 200. Communication Practices. 3 credits. FA**

Thinking about "communication as practice" involves not only engaging in multiple communicative activities but also talking and thinking about those activities as theoretical, normative, and discursive (Craig, 2006). In this course, students will be able to articulate, enact (individually and in groups), and evaluate various forms of communicative practice including oral, written, visual, and technological along the dimensions of interpersonal and organizational and from rhetorical and cultural perspectives. Satisfies Magis Core Understanding Social Science.

**COM 203. Applied Communication for Business Success. 1.5 credit. FA, SP, SU**

This course is designed to give you practice in presenting yourself and your ideas in a variety of contexts, including virtual meetings, social media content, and face-to-face interactions. Throughout the course, you will adapt messages to different audiences and reflect on the role of verbal and nonverbal communication in different contexts. P. Heider College of Business students only; Sophomore standing.

**COM 211. Communication Studies: Relationships, Work, and Culture. 3 credits.**

Communications Studies: Relationships, Work, and Culture first explores the history of the communication discipline as well as theories and paradigms of and methods in Communication Studies and then outlines sub disciplinary contexts that may include Rhetoric, Interpersonal, Organizational, Mediated, Intercultural, Health, Group, Nonverbal, and Gender Communication.

**COM 244. Cross-Cultural Communication. 3 credits.**

Course combines attention to sociolinguistic theory and analysis with practical strategies for maximizing communication between people from varying national, ethnic, professional, religious, and regional backgrounds. P. Sophomore standing.

**COM 261. This is Us: Exploring Complex Communication in Family and Interpersonal Relationships. 3 credits. (Magis: Doing Social Science)**

Often in our culture we learn about what it means to be in a particular relationship (e.g., family, romantic relationship, friendships) by watching media representations of these relationships. Sometimes these mediated relationships are an accurate representation of current knowledge about the relationship, but other times they are not. In this course, we will examine one such artifact, *This is Us*, and explore and analyze current relational communication literature to see how our social scientific knowledge about various relational communication topics is reflected in or challenges mediated representations of these relational issues in a popular TV show. Satisfies Magis Core Doing Social Science. P. Understanding Social Science course; Mathematical Reasoning course.

**COM 300. Communication Research Methods. 3 credits. SP**

Examination and practical application of research methods in Communication Studies. Includes rhetorical, cultural, interpretive, quantitative methods of analyzing communication artifacts such as content analysis, field research, ethnography, rhetorical criticism, among others. Applied to such areas as culture, group, interpersonal, family, organization, and media. P. One Magis Core Mathematical Reasoning course.

**COM 310. Now Streaming: Memes, Media, and Mass Communication. 3 credits.**

This course explores the role of media in popular culture. Media can help us connect with people around the globe, but it can also sow the seeds of distrust, misinformation, and hate. This course surveys topics that may include: media and capitalism, globalized media, critical analysis, fandom, and audience cultures. Satisfies Magis Core: Doing Social Science.

**COM 312. Mass Media and Modern Culture. 3 credits. OD (Same as AMS 312, ENG 312)**

Examination of the role of film, television, and print media in American life. P. Jr. stdg.

**COM 314. Managerial Communication. 3 credits. FA, SP, SU**

Theory and practice of advanced topics in managerial communication. Topics include organizational structure and lines of communication; interpersonal and group communication in organizational settings; problem solving; interviews; techniques for written and oral presentations. P. Jr. stdg; COM 101.

**COM 320. Leadership: Theories, Styles, And Skills. 3 credits. OD (Same as EDU 320)**

Course designed to offer participants an opportunity to gain a working knowledge of leadership theories and group dynamics. Designed to develop and improve leadership skills and to learn how to apply these skills in a practical setting. P. One Magis Core Understanding Social Science course.

**COM 321. Persuasion. 3 credits. OD (Magis: Doing Social Science)**

Theory and practice for the advanced student interested particularly in psychology and method of persuasion. Useful for professional fields which deal in persuasion, or for anyone interested in better understanding the world of persuasion in which he or she lives. Satisfies Magis Core Doing Social Science. P. Understanding Social Science course.

**COM 340. Gender Communication. 3 credits. (Same as SOC 340)**

The course examines the construction of gender through communication. Topics of lectures, exercises, and discussions may include: female-male roles and stereotypes; differences in verbal and nonverbal codes; partnership styles and alternatives; communication skills in relationships; gender and media; sexuality; gender and rhetoric; and special problem areas of female-male communication. Satisfies Magis Core Doing Social Science. P. One Magis Core Curriculum Understanding Social Science course.

**COM 344. Border Rhetorics. 3 credits.**

Borders are the product of an array of tensions - globalization, nationalism, racism, classism, sexism, colonialism, etc. These tensions erupt in borderlands. In *Border Rhetorics*, students interrogate the role of discourse (interpersonal, organizational, rhetorical, mediated, etc.) in imagining, describing, enforcing, and violating borders. Students will also consider questions of human dignity and social justice in border controversies, in particular, attending to the role our language around borderlands impacts our treatment of people who cross borders. This course is a 3-week Faculty Lead Program Away (FLPA) based in Dublin and Belfast, Ireland.

**COM 359. Rhetoric and Public Culture. 3 credits. FA**

This course provides an introduction to key theoretical concepts and perspectives in rhetoric and public culture (glossing the history of rhetoric and focusing on contemporary rhetorical theory). After considering how and why one might study rhetoric in contemporary public culture, emphasis is placed on how to critically analyze artifacts of public culture. P. One Magis Core Contemporary Composition course.

**COM 360. Organizational Communication Theories. 3 credits. FA**

Introduction to the basic theories, research, and methods of effective communication needed in the organizational setting. Review of the strategies of spoken and written communication to increase understanding and to affect the actions of others. Topics may include theories of management, models of communication, formal and informal communication networks, the elements of superior-subordinate communication, and communication styles and problems. Satisfies Magis Core: Designated Technology.

**COM 361. Interpersonal Communication. 3 credits. SP (Magis Core Doing Social Science)**

This course is designed to help you become more aware of the processes and theories of interpersonal communication. Throughout this semester, you will study communication between yourself and others through examination of scholarly research and self-analysis of interpersonal concepts. Topics include relational culture, perception, listening, conversations, identity formation/management, self-disclosure, stages of relationships, and conflict, among others. Satisfies Magis Core Doing Social Science. P. One Magis Core Understanding Social Science course.

**COM 362. Small Group Communication. 3 credits.**

Examines the need for communication within and between groups within the organization. Theory and practice in methods for improving communication within and between groups, including leadership, conflict management, and decision-making.

**COM 363. Family Communication. 3 credits.**

An introduction to the process by which students can use the principles of interpersonal and group communication to create and sustain healthy family relations. Course seeks to enable students to create and sustain cohesion and adaptability as two prerequisites for successful family relations. Topics covered include communication patterns and family meaning, the communication of intimacy, the communication of family roles, decision making in families, family conflict resolution, and communication strategies for reducing family stress.

**COM 364. Family Communication About Health and Well-Being. 3 credits. (Magis Core Doing Social Science, Designated Statistical Reas)**

This course examines the connection of family communication and health/well-being. It covers topics of narrative medicine, infertility and parenthood; childhood health and obesity; adolescent health; depression; illness and cancer; and finally, family members' aging and end-of-life communication. Satisfies Magis Core Doing Social Science, Designated Statistical Reasoning course. P. Mathematical Reasoning course; Understanding Social Science.

**COM 380. History And Criticism Of Cinema. 3 credits.**

Motion pictures as a distinctive medium of communication and as an art form; film language; film history; film appreciation; critical assimilation of film content. P. Contemporary Composition course.

**COM 390. Health Communication. 3 credits. (Same as HAP 390, Magis Core Doing Social Science)**

This course investigates research and theories and permits students to demonstrate practical applications of communication within health care situations. The course emphasizes understanding communication variables such as verbal, nonverbal, conflict, listening, and self-disclosure in health care contexts. The course also examines issues of ethics and relationships between health care providers, patients, and families. Satisfies Magis Core Doing Social Science. P. Understanding Social Science.

**COM 396. Food for Thought: Sustainability, Food, and Communication. 3 credits. (Same as EVS 396)**

This course explores communication about food and sustainability, focusing on subtopics such as food justice, agriculture, food waste, media representations, cultural identity, and eating meat. As is appropriate for understanding contemporary food systems and practices, the course takes an international approach, examining foodways from around the world. Additionally, the course draws from a variety of disciplines including communication studies, business and marketing, psychology, sociolinguistics, and sustainability studies. Satisfies Magis Core: Doing Social Science. P. Understanding Social Science Course.

**COM 441. Dialogue and Deliberation. 3 credits.**

This course has the dual purpose of exposing students to a variety of local, national and international examples of deliberative process while affording an opportunity for students to engage in the creation and facilitation of a deliberative forum on an issue important to the Creighton campus. This course is primarily about deliberation. At the moment (during this decade, at least), sustainability is a topic worthy of consideration through deliberative, democratic means.

**COM 442. Cultural Communication. 3 credits. (Magis Core Doing Social Science)**

This course combines attention to cultural communication and the ethnography of communication with practical strategies for coming to terms with communication between people from varying national, ethnic, professional, religious, and regional backgrounds. Satisfies Magis Core Doing Social Science. P. One Understanding Social Science course.

**COM 447. Special Methods In Teaching Secondary School Speech. 3 credits.**

To meet the needs of the teacher, or speech major who anticipates a teaching career. Practical methods and materials for a survey course in speech fundamentals. P. DC of Communication Studies, Education.

**COM 450. Communicating Health Narratives. 3 credits.**

This course examines communication in multiple health care contexts: individual (health beliefs and attitudes), interpersonal (patient-provider and provider-provider), organizational (hospital, and clinic), and societal (public health campaigns, public health policy, and health politics). We will explore how narratives function to construct and communicate health beliefs in these contexts.

**COM 459. Environmental Communication. 3 credits. (Same as EVS 459)**

Our communication about the natural world both interprets and defines it. We experience and understand the natural world through communication, through different channels, and through discourses that have evolved over time. This course interrogates this communication as well as the underlying assumptions that ground such communication. In doing so, we will evaluate the social construction of the environment and environmental issues through media and other communication processes. This will allow us an opportunity to recognize how dominant discourses shape individual and societal choices. Satisfies Magis Core: Doing Social Science. P. Understanding Social Science.

**COM 460. Historical and Contemporary Perspectives on Organizational Communication. 3 credits.**

This course takes an advanced look at organizational communication by first covering the history and theoretical perspectives that underpin the study of organizations, and then by engaging significant areas of research in the field from a variety of methodological perspectives. P. COM 360 or IC.

**COM 462. Gender, Work, and Organizing. 3 credits. (Magis Core Doing Social Science, Designated Oral Comm)**

This course explores what it means to "work" and organize in a gendered world from a communicative perspective. Topics include how labor is valued differently whether performed in the public (i.e., business and government) or private realm (i.e., domestic work, childcare and eldercare) - and by whom such labor is performed. Satisfies Magis Core Doing Social Science, Designated Oral Communication course. P. Understanding Social Science; Oral Communication.

**COM 463. Communication Consulting. 3 credits.**

Workshop evaluating characteristics of organizations (including schools and service organizations). Practical training in assessing the effectiveness of such interventions as curriculum, training and development, and personnel. Special emphasis on planning, conducting, and interpreting surveys; developing questionnaires, interpreting results, and writing final reports. P. Oral Communication course; COM 200; COM 300; COM 360.

**COM 471. Discourse of the American Family. 3 credits.**

With American culture, the concept of family has taken on "god term" status. Rather than studying communication within families, the course examines how the social construction of family (communication about family) has changed over time and examine the discourse, myths, problems/limitations, and power with how family has been culturally constructed.

**COM 472. Communication in Close Relationships. 3 credits. (Magis Core Doing Social Science)**

One of the unifying factors in human life is having close, personal relationships. These relationships cannot be formed or maintained without communication. In this course, we will examine the role of communication in various close relationships (relationships which might be covered include family, friendships, and romantic relationships) as written and theorized about in the literature. Additionally, we will discuss and critique various methodological perspectives for the study of communication in close relationships. Satisfies Magis Core Doing Social Science. P. One Magis Core Understanding Social Science course.

**COM 474. The Dark Side of Personal Relationships. 3 credits. (Magis Core Doing Social Science)**

This particular course focuses on "the dark side" of interpersonal and family communication. Although much of communication research orients us to the value of open, honest, effective, and competent communication, this course acknowledges that an examination of the "brighter" sides of communication only provide part of the picture in everyday communication. Certainly, many of you have experienced lying, ambiguity, gossip, jealousy, loneliness, conflict, rejections, over sharing, criticism, shame, etc. in your interpersonal and family relationships. The goal of this course is to explore research, concepts, and theories that illuminate "the dark side" of relationships and provide orientation for understanding the dark side as inseparable from the bright side in understanding interpersonal and family communication. Satisfies Magis Core Doing Social Science. P. Understanding Social Science course.

**COM 475. Resisting the Politics of Everyday Life. 3 credits. (Magis Core Intersections)**

This course is designed to study issues of experience, aesthetics, and practice in the study of human communication. Students will examine the relationship between politics and bodies, the dramatic nature of society, and the shared and public nature of culture. Satisfies Magis Core Intersections course. P. One Magis Core Critical Issues in Human Inquiry course; Senior standing.

**COM 476. National Parks-Created through Communication. 3 credits. (Same as EVS 476, Magis Core Intersections)**

This course will focus on how environmental communication impacts our experiences in national parks and has consequences for US national identity. This course will investigate how communication about national parks reveals historical tensions and power struggles. Additionally, it will give students a chance to study communication within national parks in situ so that they will better understand how communication in these settings operates. Satisfies Magis Core Intersections course. P. Critical Issues in Human Inquiry; Senior standing.

**COM 478. Perspectives on Work-Life Balance, Wellness and Justice. 3 credits. (Same as SRP 478)**

Students engage perspectives on "balance", wellness, and justice in (paid) working life and personal/family life from multiple disciplinary perspectives. Students explore the implications for social justice in (Western) cultural norms (including gendered and classist practices), governmental policies, organizational programs, relational practices, and individual negotiations of identity(s) concerning balance and wellness. Satisfies Magis Core Intersections course. P. One Magis Core Critical Issues in Human Inquiry course; Sr. Stdg.

**COM 481. Rhetoric Dimensions of Persuasion and Social Movements. 3 credits.**

This course will focus on the ethical dimensions of persuasion and social influence in public culture. Students will critically examine the role persuasion and social influence has historically had in the construction and evolution of social movements and their leaders.

**COM 489. Visual Construction of Modern Culture. 3 credits.**

This course explores the idea that memorable visual messages have power to inform, educate, and persuade. It attempts to discover why some images are remembered while some are not. We will study visual communications to understand their rhetorical power. Topics could include: iconicity, verbal versus visual, public memory, and visual argumentation.

**COM 490. Communication and Community. 3 credits. SP**

Communication and Community is the senior capstone course for majors in Communication Studies. It offers students an opportunity to channel the experiences they have had with communication research and theory over the past years in order to prepare for life as a professional and a member of society. Students revisit the concept that communication and rhetoric (symbolic action) create and define social reality and examine how that has manifested in differing worldviews, resulting in "isms" (racism, heterosexism, ethnocentrism, etc.) as well as "moral conflicts." Students will discuss the importance of societal engagement and being a member of (multiple) communication communities. To supplement the "book" learning of the classroom, there will also be a community-based learning component where students take their new knowledge, in combination with their communication expertise, and engage with an unfamiliar or unknown Omaha community group. P. Ethics course; Senior standing; COM major.

**COM 493. Directed Independent Readings In Communication. 1-3 credits. FA, SP, SU**

In-depth survey of literature on a topic determined in consultation between a student and faculty supervisor. Requires extensive library work and a written analysis of readings. Subject matter and method constructed to meet the individual needs of students. May be repeated for credit to a limit of six hours. P. IC and approval of major adviser.

**COM 494. Directed Independent Study in Communication. 0-3 credits. FA, SP, SU**

Subject matter and method constructed to meet the individual needs of students. May be repeated for credit to a limit of three credits. P. IC and approval of major advisor.

**COM 495. Special Topics In Communication Studies. 3 credits. OD**

Focus on developing practical application of communication concepts in a variety of contexts. Course will be subtitled in the Schedule of Courses. No more than six hours of COM 495 may be taken for credit toward a degree.

**COM 496. Communication Internship and Professional Development. 3 credits. FA, SP, SU**

Students are placed in organizations for the purpose of applying the principles and theories learned in the classroom. Supervision provided both on site and on campus. May be repeated for credit to a limit of six semester hours. P. Nine hours of COM courses and Instructor Consent.

**COM 497. Senior Research in Communication Studies. 3 credits. FA**

This course reinforces students' knowledge of the communication research process by reviewing the methodical alternatives in the field, introducing students to exemplary scholarship in communication studies, and by guiding students through the completion of original research projects. P. COM 300 and One Magis Core Oral Communication course.

**COM 498. Directed Independent Research - Special. 0-3 credits.**

Participation in a pre-approved independent research project conducted outside the Creighton University Communication Studies Department. This course is repeatable.



**COU 390. Residence Halls Advising. 3 credits. FA, SP**

Designed to give resident assistants (RA's) knowledge of the role of residence halls in promoting the growth and development of college students and to provide them with the requisite knowledge and skills in helping, problem-solving, crisis management, community development, and programming to achieve this goal. P. Resident halls advisers only.

**CRJ 201. Introduction to the Criminal Justice System. 3 credits. (Same as SOC 201)**

A survey of the development, modification, and enforcement of criminal law. Special attention will be given to the courts, corrections, and enforcement agencies, and the role of competing values in the decision-making process. In addition to the western legal heritage that has been the principle influence in U.S. criminal law, the perspective of non-western traditions of criminal justice will be addressed.

**CRJ 225. From the Grave: Fundamentals of Forensic Anthropology. 3 credits. (Same as ANT 225)**

This course introduces students to the field of forensic anthropology. Through lecture content and written assignments, students examine the development, theoretical and methodological bases, and current application in forensic anthropology. Students will gain a theoretical understanding of how these methods are used in the investigation and detection of crime, the processing of mass disasters, the recovery of war dead and missing persons, and in international human rights investigations. P. Mathematical Reasoning; Contemporary Composition.

**CRJ 289. Self-Care for the Helping Professions. 1 credit. (Same as SWK 289)**

This course provides students the opportunity to practice the Ignatian value of cura personalis by caring for the whole person. As an integrative, multi-modal approach that borrows from several theories and practices such as the spiritual exercises, yoga, breath-work, compassion fatigue and stress-management the students will explore the relationship between the mind and body to strengthen the emotional spirit. Self-care is an important practice management tool and as such students will develop self-care strategies to use while in the practice setting to enhance professional resilience. This course may be repeated once. This course is offered Satisfactory/Unsatisfactory only.

**CRJ 312. Research Design for the Social Sciences. 3 credits. (Same as SOC 312, HAP 312)**

Introduction to social science research methods. Attention is directed to the basic logic and research techniques involved in studying the social world scientifically. Specific topics considered include research design, measurement, alternative data collection procedures, and ethical concerns involved in studying social life. Satisfies Magis Core: Doing Social Science; Magis Designations: Ethics, Written Communication. P. Contemporary Composition; Ethics; Understanding Social Science.

**CRJ 314. Statistics for the Social Sciences. 4 credits. (Same as ANT 314, SOC 314)**

Broad introduction to the statistical techniques used by social scientists to analyze their data, including computer usage. Attention is directed to the basic procedures for organizing and describing data, for assessing relationships among social variables, and for using that information to make inferences about the population. P. Mathematical Reasoning.

**CRJ 316. Qualitative Methods, Ethnography, and Engagement. 3 credits. (Same as AMS 316, ANT 316, SOC 316)**

This course is an introduction to qualitative research methods within the social sciences. It emphasizes ethnography and community engagement as the primary tools of anthropological research. It promotes skill development in reflective practice, research design, partnership building, strategies for collecting ethnographic data and analysis, engaging in field work through participant-observation, and community problem-solving. The course develops compassion, confidence and competence as it contributes to social justice action in student's communities and their professions. Meets Doing Social Science, Designated Ethics, Designated Oral Communication, Designated Technology, and Designated Written Communication Magis Core requirements. Prereq: Understanding Social Science course; Ethics course; Oral Communication course; Contemporary Composition course.

**CRJ 317. Criminal Justice Administration and Ethics. 3 credits.**

This course will explore the power that the criminal justice system exerts over society. We will begin with the legislators who make laws, to the police who enforce those laws, to the courtroom practitioners who interpret and argue over the laws, to the correctional system that carry out the court imposed sentences, the system is charged with an seemingly infinite amount of discretion. These discretionary decisions can have life-long consequences over many people in society.

**CRJ 318. Applied Research: Assessment and Evaluation. 3 credits. FA, SP (Same as ANT/HAP/SWK 318)**

This course familiarizes students with foundational research methods for needs assessment and program evaluation commonly used in the social sciences. Satisfies Magis Core: Doing Science Science; Magis Designated Oral Communication, Designated Technology, Designated Statistical Reasoning P. Critical Issues in Human Inquiry (or HRS 100 or HRS 101), Oral Communication, Understanding Social Science, Mathematical Reasoning.

**CRJ 320. Theories of Crime and Deviance. 3 credits. (Same as SOC 320)**

A sociological examination of the conditions under which societal definitions of deviance emerge, develop, and change over time. Special attention will be paid to the process of societal reaction to deviant behavior. Prereq: Sophomore standing.

**CRJ 322. Victim Advocacy Policy and Practice. 3 credits. SU (Same as SOC 322)**

The goal of this course is to increase the knowledge base of participants interested in victim assistance to become more skilled in their approach thereby building the capacity of advocates, service providers and law enforcement to help victims of crime regain control of their lives. Through exploration of existing research on best practices, case analysis, and inter-professional dialogue participants develop a baseline understanding of existing practices and explore creative approaches to serving as victim advocates.

**CRJ 323. Crime, Victimization and Public Health. 3 credits. (Same as AMS 323, SOC 323)**

This course examines how crime and victimization are perceived within society, how they are measured through quantitative and qualitative lenses, and the particularities of urban environments that intersect with high concentrations of crime and victimization, as well as considering crime and victimization from a public health perspective. P. Understanding Social Science or Instructor consent.

**CRJ 325. Death Investigation: Forensic Anthropology Methods. 4 credits. (Same as ANT 325)**

This course examines the methods used by forensic anthropologists to construct a biological profile of skeletonized human remains which directly aid in a positive identification of the decedent. These methods are used in the investigation and detection of crime, the processing of mass disasters, the recovery of war dead and missing persons, and in international human rights investigations. In the lab portion, students will apply the methods used by forensic anthropologists to hands-on activities using skeletal collections. Prereq: Understanding Natural Science; Mathematical Reasoning.

**CRJ 341. Race and Justice. 3 credits. (Same as AMS 341, ANT 341, BKS 341, SOC 341)**

This course focuses on racial and ethnic inequality in the U.S. criminal justice system. What are the determinants and consequences of prejudice and discrimination; of race and ethnicity; of ethnocentrism; sex/gender norms and class structure, as they relate to racial/ethnic minority groups/members affected by the criminal justice system? How is the society and culture we live in different from that of our parents and that of our grandparents or our great grandparents? What led to the changes we see today? Are there alternative social arrangements that may yield more equality, more efficiency, and more social justice? The goal of this course is to provide you with the basic concepts, theories, and historical context required to critically analyze and answer these questions with regard to racial/ethnic minority groups/members affected by the criminal justice system. Prereq: Sophomore standing.

**CRJ 350. Forensic Anthropology Field School. 4 credits. (Same as ANT 350)**

The Forensic Anthropology Field School is an intensive four-week course focused on exposing students to the application of forensic anthropology in the medico-legal system. Students participate in the process of a mock medico-legal death investigation beginning with crime scene recovery and ending with expert witness testimony. Prior to excavation, students will learn the theory and methods of osteology and archaeology. Once at the "crime scene" students will actively participate in mapping, recording, and excavation. After materials are recovered, students conduct a full analysis and construct a case report to be compared to missing persons reports. The Field School concludes with students testifying as a scientific expert witness in a courtroom. The process will include training and input from law enforcement, legal professionals, forensic scientists, and medical professionals. Ultimately, students will gain a hands-on experience of how death investigations work, and be exposed to the perspectives of many different disciplines. Prereq: Understanding Natural Science; Ethics; Oral Communication.

**CRJ 376. Family Dynamics. 3 credits. OD (Same as SWK 376)**

This course will explore families through the lens of family stress theory, identifying interpersonal dynamics as well as adjustments in times of crisis. Course content will also include impacts of violence in family systems across the life span, including child abuse/neglect, interpersonal violence, elder abuse, and community violence.

**CRJ 385. Community Internship. 1-3 credits.**

Omaha city government departments and other private and public agencies provide opportunities for semester-long participation in their regular operations. Academic coordination provided by a department faculty member. May be repeated for up to 6 hrs. Prereq: Instructor consent.

**CRJ 399. Trauma Care for the Whole Person. 3 credits. ONLY (Same as ANT 399, SOC 399, SWK 399)**

It is essential for social workers and helping professionals to be reflective practitioners and know how to effectively care for others as well as themselves. Students will explore the distinctions of trauma including: physical, psychological, social, historical, ongoing, and vicarious trauma. This course is designed to examine the impact of trauma on the mind, body and spirit. Trauma care is not only for the individuals, families and/or communities with whom they work but also to develop resiliency in the mind, body and spirit of the helping professionals. P. Sophomore standing.

**CRJ 400. Topical Seminar in Criminal Justice. 1-3 credits.**

Seminars offered on special topics related to criminal justice. Topics vary from semester to semester. May be repeated under different subtitles. P. Junior standing.

**CRJ 423. Law and Society. 3 credits. (Same as SOC 423)**

A sociological examination of the development and evolution of models of legal systems from several contemporary cultures, with particular emphasis on the way each of the different models function either as a mechanism of social stability or as a mechanism of social change. This will include a survey of civil, criminal, administrative, and commercial issues, and their relationship to other social institutions, as well as a review of efforts to develop legal systems that transcend competing cultures, either by treaty, or by international organizations.

**CRJ 470. Making Maps that Matter: Introduction to Geographic Information Systems. 4 credits. (Same as AMS/ANT/EVS/SOC 470)**

Geographic Information Systems-or GIS-refers to the technology used to store, edit, analyze, and present geographic data. This course will introduce students to both the technical and conceptual sides of making maps that matter. Weekly labs will teach the technical skills necessary for using geographic data to create maps. In addition to the technical skills, students will lead weekly book club and "mappy hour" discussions that will foster critical thinking about how GIS and maps are used in society. These readings will emphasize the importance of place and space to a range of contemporary social and environmental issues including poverty, pollution, crime, and racial injustice. Students will apply what they've learned in a semester-long mapping project to raise awareness about a social or environmental problem in a place of their choosing.

**CRJ 493. Directed Independent Readings. 1-6 credits.**

Student-initiated survey of the literature related to a broad topic in criminal justice not covered in the student's course work. Undertaken in close cooperation with a supervising faculty member. May be repeated to a limit of six hours. P. IC.

**CRJ 495. Directed Independent Study. 1-6 credits.**

Student-initiated project on a focused topic in criminal justice, utilizing library materials and involving close coordination with a supervising faculty member. May be repeated to a limit of six hours. P. IC.

**CRJ 497. Directed Independent Research. 1-6 credits.**

Student-initiated empirical project on a focused topic in criminal justice, involving close coordination with a supervising faculty member. May be repeated to a limit of six hours. P. IC.

**CRJ 499. Senior Capstone: Applying the Social Sciences. 3 credits.**

Students will connect, integrate and elaborate prior learning and skills by studying and interpreting a selected topic. Reading, research, discussion, writing, exercises and presentations will engage us in the topic and allow us to use our knowledge and skills developed by pursuing a sociology or anthropology major. The course provides both a completion of the undergraduate experience and engages students in program assessment.

**CSC 111. Basics of Coding. 3 credits. OD**

An introduction to programming and problem-solving in which students create interactive applications and systems through project-based learning. Students will learn problem solving, software design, debugging strategies, and the foundations of computer science (data structures, procedures, and algorithms).

**CSC 121. Computers and Scientific Thinking. 3 credits. FA, SP**

An introduction to science and scientific reasoning from a perspective that integrates computer science and the natural sciences. Students will gain a basic understanding of computer technology and how computers and computer modeling are used in various scientific disciplines. Methods and applications from the biological sciences will be emphasized.

**CSC 221. Introduction to Programming. 3 credits. FA, SP**

A first course in computer programming and problem solving, with an emphasis on designing and developing solutions to real-world problems (such as system modeling, data analysis, and multimedia processing). Specific topics include algorithm development, basic control structures, simple data types and data structures.

**CSC 222. Object-Oriented Programming. 3 credits. FA, SP**

A second course in computer programming, emphasizing the object-oriented approach to software development. Specific topics include object-oriented design, classes and objects, encapsulation, list processing, and recursion. P. CSC 221.

**CSC 321. Data Structures. 3 credits. FA**

An introduction to fundamental data structures used in solving problems, including the programming and mathematical concepts required to implement and analyze data structures. Specific data structures include lists, stacks, queues, linked structures, sets, and maps. Supporting concepts include logic, proof techniques, and basic graph theory. P. Grade of "C" or better in CSC 222.

**CSC 414. Computer Organization. 3 credits. SP**

An introduction to the organization and design of modern computing devices. Topics include basic addressing modes, instruction formats and interpretation, I/O devices, memory organization, and microprogrammed control. P. CSC 221.

**CSC 421. Algorithm Design and Analysis. 3 credits. SP**

An advanced problem-solving course that focuses on the design, implementation, and analysis of algorithms. Specific algorithmic approaches include divide-and-conquer, greedy, backtracking, and dynamic programming. The connections between algorithms and data structures, such as trees and hash tables, are highlighted. P. CSC 321.

**CSC 426. Data Visualization. 3 credits. SP (Same as DSC 426)**

In today's world we are inundated with data. So much so that it is often overwhelming, confusing, and ultimately meaningless. By combining the principles of art, design, and statistics, Data Visualization teaches the tools and methods to harness that data and make it meaningful. It also enables clear communication and sets up the possibility for deep insights. P. CSC 221.

**CSC 444. Human Computer Interaction. 3 credits. OD**

An introduction to human computer interaction and design thinking, including the design and prototyping of interactive technologies using the User Centered Design philosophy. Students will learn how to conduct and analyze user research, and practice the process of ideating, prototyping, and evaluating their designs.

**CSC 445. Social Networks Analytics. 3 credits. OD**

This course provides an introduction to graph theory, social network analysis, and data mining. Students will learn the current trends in social network research, understand the theories behind it, collect data from various sources, use social cyber forensics techniques to extract metadata, and apply what's learned to extract meaningful insights. Prereq: CSC 221.

**CSC 450. Data of/by/for the People. 3 credits. SP**

Data arising from and about the 24th Street Corridor is the focus of this course, which gives an overview of quantitative research methods and focuses the students experientially on planning, gathering, cleaning, and analyzing data from community stakeholders. Students will design and develop data-driven projects using programming and statistical software. Note: this course may not count toward the CSI major, minor, A.S. degree, or Certificate. P. Critical Issues in Human Inquiry or HRS 100 ; Mathematical Reasoning; Senior standing.

**CSC 493. Directed Independent Readings. 1-3 credits. OD**

A directed reading course investigating current topics in computer science. May be repeated for credit to a limit of six hours. P. IC.

**CSC 495. Directed Independent Study. 1-3 credits. OD**

A directed study course investigating current topics in computer science. May be repeated for credit to a limit of six hours. P. IC.

**CSC 497. Directed Independent Research. 1-3 credits. OD**

A research project under the guidance of a member of the faculty. May be repeated for credit to a limit of six hours. P. IC.

**CSC 499. Directed Internship. 1-3 credits. OD**

Students gain professional experience by placement in a computing company or information technology department on a part-time basis for one semester. Students will work closely with a faculty advisor to define the project, identify its academic content, and report on its results. P. IC.

**CSC 525. Theory of Computation. 3 credits. OD**

A study of models of computing and the theoretical limitations of computation. Specific topics include formal grammars, finite state machines, Turing machines, and computability. P. CSC 421.

**CSC 533. Programming Languages. 3 credits. SP**

A survey of modern languages, including their design and implementation. Specific topics include declarative programming, procedural programming, scripting, syntax and semantics, memory management, data types, and control structures. P. CSC 321.

**CSC 542. Database Design and Security. 3 credits. FA**

A survey of techniques for designing and implementing databases using a relational model, with an emphasis on security and data assurance. Specific topics include relational algebra, SQL, normal forms, database design, concurrency control, and error recovery. P. CSC 222.

**CSC 548. Software Engineering. 3 credits. FA**

A project-based course that utilizes industry-proven methodologies for the design, implementation, and management of software projects. Specific topics include team coordination, UML modeling, design specifications, version control, reusability, and testing. P or Co: CSC 321.

**CSC 550. Introduction To Artificial Intelligence. 3 credits. OD**

A survey of foundational concepts and current research in artificial intelligence. Specific topics include knowledge representation, search methods, expert systems, machine learning and perception, neural networks, and emergent systems. P. CSC 222.

**CSC 551. Web Programming. 3 credits. FA**

An advanced study of Internet and Web protocols and the integration of programming techniques with a Web interface. Both client-side and server-side programming are covered, with topics including HTML, client-side scripting, server-side programming via the Common Gateway Interface, and current development technologies. P. CSC 222 or CSC 121 and CSC 221.

**CSC 581. Mobile App Development. 3 credits. SP**

A project-based course that presents the fundamental concepts and techniques of mobile application development. Specific topics include modern design methodologies, mobile resource limitations, development tools, and project management. P. CSC 222.

**CSC 590. Special Topics. 3 credits. OD**

An in-depth examination of one or more current topics in computer science, through a combination of lecture, discussion and student presentations. P. IC.

**CSC 599. Senior Capstone. 3 credits. FA**

A project-based capstone course intended for computer science seniors. Each student will design, implement, and present a project that integrates computer science content from his or her major courses. Seminal papers and results in computer science will be selected and reviewed in a seminar-style setting, with emphasis on the ethical and professional responsibilities of computer scientists. Satisfies Magis Designations: Ethics, Oral Communication, Statistical Reasoning. P. CSI major; Ethics course; Mathematical Reasoning course; Oral Communication course; Senior Stdg.

**CUR 111. Introduction to Undergraduate Research. 1 credit.**

This course is for first year students interested in learning about opportunities in undergraduate research and creative scholarly work at Creighton. You will be introduced to specific research projects and develop the tools you need to pursue a faculty-led scholarly project. This course will provide an overview of specific skills, across disciplines, in the areas of development of research questions, literature searches, research methods, data collection, scholarly writing, and research presentations.

**CUR 400. Capstone in Undergraduate Research. 1 credit.**

Students create a portfolio of their research and scholarship accomplishments in this capstone. This course fulfills the research dissemination requirements for the Concentration in Undergraduate Research and Scholarship: Development of an Ignatian Researcher.

**CUR 497. Directed Independent Research. 0-3 credits.**

The goal of this course is to provide undergraduate students with an in-depth experience in the craft and practice of research and scholarship. Students are given the opportunity to explore research and scholarship in greater depth, and to develop the skills necessary for independent scholarship within their field of study.

**CUR 500. Leadership in Undergraduate Research and Scholarship. 0-1 credits.**

This course focuses on the development of leadership skills for students in the Center for Undergraduate Research and Scholarship (CURAS) Ambassador Program. This course will focus on research communication skills and development of a strong research community among students. P. IC.

**DAN 101. Introduction to the Dance. 3 credits. FA, SP**

Dance classes where the student will develop a competence in and appreciation of three techniques at the beginning level: ballet, modern and jazz. Practical classes, lectures, videos, and attendance at dance performances with written responses to the concerts are all requirements.

**DAN 105. Introduction to Hip Hop. 3 credits.**

Hip-Hop has quickly become one of the most popular forms of dance in the world. It's cultural inception, development, and impact on culture is relevant to everyone no matter their personal interest or expertise in dance. This course explores the history of hip-hop, the basics of hip-hop dance, and modern forms of hip-hop dance like Locking, Waacking, Electric Boogaloos, Popping, and House. Students will gain a cultural understanding of Hip-Hop in addition to the skills needed to learn choreography, dance simple hip-hop steps, improvise, and groove.

**DAN 110. Yoga to Care for the Whole Student. 1 credit.**

This course blends invigorating, flowing Yoga postures, relaxing, passive postures with longer holding times, breathing and relaxation techniques. These skills incorporated into everyday life potentially relieve stress and anxiety and increase positive, creative and productive energy. Benefits include sharper mental focus, increased physical balance, and heightened spiritual awareness. All levels.

**DAN 153. Stagecraft I. 3 credits. (Same as THR 153)**

Fundamentals of developing the scenic background for theatrical productions. Introduction to tools and equipment through theory, lecture, and demonstration. This class includes a lab component. P. THR 131.

**DAN 221. Intermediate Modern Dance. 1-2 credits.**

Dance classes where the student will develop a competence in and appreciation of Modern dance techniques at the intermediate level. Practical classes, lectures, videos, and attendance at dance performances with written responses to the concerts are all requirements. May be repeated for a total of four credit hours. P. DAN 101 or IC.

**DAN 231. Intermediate Tap/Jazz. 1-2 credits.**

Dance classes where the student will develop a competence in and appreciation of two techniques at the intermediate level: tap and jazz. Practical classes, lectures, videos, and attendance at dance performances with written responses to the concerts are all requirements. May be repeated for a total of four credit hours. P. DAN 101 or IC.

**DAN 241. Intermediate Ballet. 1-2 credits.**

Dance classes where the student will develop a competence in and appreciation of ballet technique at the intermediate level. Practical classes, lectures, videos, and attendance at dance performances with written responses to the concerts are all requirements. May be repeated for a total of four credit hours. P. DAN 101 or IC.

**DAN 242. Dance Composition & Theory I. 2 credits. FA, SP**

Improvisation and elements of composition in all of the classical and modern traditions. The choreographing of a solo work in any one of the dance genres to be performed in front of a panel.

**DAN 243. Dance Composition and Theory II. 2 credits.**

Continuation of DAN 242. The choreographing of a trio or larger company to be performed in front of a live audience.

**DAN 283. Summer Session Workshop in Beginning Dance. 1-3 credits. SU**

Classical ballet, pointe, modern dance, jazz and character dance technique classes are supported by music for dance. Guest faculty and workshop emphasis vary from year to year.

**DAN 303. Theory Of Teaching Dancing To Children. 2 credits. FA, SP**

Approached through pre-ballet techniques and progressing through the first two grades of the Imperial Society of Teachers of Dance (London) children's syllabus. P. DAN 241 or IC.



**DAN 304. Theory of Teaching Dancing to Children II. 2 credits. FA, SP**  
Continuation of DAN 303. Completing the Imperial Society of Teachers of Dance (London) children's syllabus. P. DAN 303 or IC.

**DAN 321. Advanced I Modern Dance. 1-2 credits.**

For the student who only wants to take Modern Dance at the very Advanced Level. May be repeated to a total of four credit hours. P. DAN 221 or IC.

**DAN 331. Advanced I Tap/Jazz. 1-2 credits.**

For the student who only wants to take Jazz/Tap at the very Advanced Level. May be repeated to a total of four credit hours. P. DAN 231 or IC.

**DAN 341. Advanced I Ballet. 1-2 credits.**

For the student who only wants to take Ballet at the very Advanced Level. May be repeated to a total of four credit hours. P. DAN 241 or IC.

**DAN 342. Individual Choreographic Project. 1 credit.**

Students are expected to exhibit a high degree of initiative and independence in developing their unique methods, forms, and style of choreography. Project culminates in performance. May be repeated to a total of two credit hours. P. IC.

**DAN 355. Lighting Design I. 3 credits. SP (Same as THR 355)**

An introduction to the fundamentals of lighting theory, electricity, color in light, tools, equipment and paperwork through lecture practical application. P. THR 131 or THR 153.

**DAN 383. Summer Session Workshop In Advanced Dance I. 1-3 credits. SU**

Classical ballet, pointe, modern dance, jazz, and character dance technique classes are supported by music for dance. Guest faculty and workshop emphasis vary from year to year. P. IC or audition.

**DAN 391. Production Practicum. 1-2 credits. FA, SP (Same as THR 391)**

Course is divided into two segments. Course description for segment one, Technical Crew: Technical crew work in Creighton theatre and dance productions; may include set construction, properties, sound, lighting. Per credit hour, course requires three hours of shop work weekly (time to be arranged to fit student's schedule) and working one production as a crew member. Course description for segment two, Costume Crew: Costume construction for Creighton theatre and dance productions. Per credit hour, the course requires three hours of costume shop work weekly (time to be arranged to fit student's schedule) and working one production as a wardrobe crew member. This course may be repeated to a limit of eight semester hours.

**DAN 395. Directed Independent Study. 1-3 credits.**

Course designed to allow the individual student with a particular interest in dance to pursue that interest under faculty direction. May be repeated to a limit of six hours. P. IC.

**DAN 398. Performance - Third Year. 1 credit. SP, SU**

Student to perform dancing roles during the semester or year. One credit represents two semesters of work. (One of those semesters may be in technical support). Application must be made to the department. Required of Dance minors. P. DC.

**DAN 403. Teaching Dance To Children-Practicum I. 2 credits. OD**

Supervised teaching to selected children's ballet classes and assigned observation of teaching techniques. P. DAN 303 and DAN 304 or IC.

**DAN 404. Teaching Dance - Practicum II. 2 credits. OD**

Supervised teaching of selected dance classes and assigned observation of teaching techniques. P. DAN 403.

**DAN 421. Advanced II Modern Dance. 1-2 credits.**

For the very advanced student taking Modern class. May be taken up to eight times. P. IC or DAN 321.

**DAN 431. Advanced II Tap/Jazz. 1-2 credits.**

For the very advanced student taking Jazz/Tap class. May be taken up to eight times. P. IC or DAN 331.

**DAN 441. Advanced II Ballet. 1-3 credits.**

For the very Advanced student taking ballet class. May be taken up to a total of eight times. P. IC or DAN 341.

**DAN 483. Summer Session Workshop In Advanced Dance II. 2-5 credits. SU**

Classical ballet, pointe, modern dance, jazz, and character dance technique classes are supported by music for dance. Special classes in the study of the Royal Academy of Dance (London) syllabus will be offered if there is sufficient demand. Guest faculty and workshop emphasis vary from year to year. P. IC.

**DAN 498. Performance - Fourth Year. 1 credit. SP, SU**

Student required to perform dancing roles in two public dance performances. One credit represents two semesters of work. Application must be made to the department during the first two weeks of the preceding semester. Required of Dance minors. May be repeated to a total of two credit hours. P. DC.

**DSC 365. Introduction to Data Science. 3 credits.**

Intro to statistical data science, using computing tools to gather, manage and analyze large and complex data sets. Topics include data wrangling and formatting, web scraping, data analysis, statistical modeling techniques, text mining and language processing. Satisfies Magis Core Designated Technology. P. Mathematical Reasoning; CSC 121 or CSC 221 or MTH 360 or MTH 361.

**DSC 426. Data Visualization. 3 credits. (Same as CSC 426)**

In today's world we are inundated with data. So much so that it is often overwhelming, confusing, and ultimately meaningless. By combining the principles of art, design, and statistics, Data Visualization teaches the tools and methods to harness that data and make it meaningful. It also enables clear communication and sets up the possibility for deep insights. P. CSC 221.

**DSC 465. Machine Learning. 3 credits.**

Introduction to machine and statistical learning techniques. Topics include supervised learning (regression models, kernel smoothers), unsupervised learning (clustering or principal component analysis), shrinkage models, additive models, and neural networks. P. MTH 360 or MTH 361 or another introductory statistics course with Instructor Consent; DSC 365.

**DSC 565. Building Generative AI Applica. 3 credits.**

Building Generative AI Application is a comprehensive course covering fundamental concepts and advanced techniques for creating generative AI systems. Students will use generative adversarial networks (GANs) to build text translation, image and music generation applications, as well as learn cutting edge Transformer models including retrieval augmented generation (RAG) for large language models (LLMs). Through hands on projects, students will build, train, and deploy generative AI applications using industry leading tools. P. DSC 465.

**DSC 599. Data Science Senior Capstone. 3 credits.**

This project based capstone is intended for data science seniors. Students will complete a semester-long project that draws on the skills learned in all three cores of the major. Students will also learn about data ethics, interacting with big data, and develop the professional skills necessary for data scientists. Satisfies Magis Designation: Ethics, Oral Communication, Written Communication. P. Ethics, Oral Communication, Contemporary Compositions, Sr. standing, Data Science Major.

**EDP 362. Dominican Republic in Context. 3 credits.**

A study of the history, sociology and politics of the Dominican Republic and the Caribbean. Classroom work is integrated with service-learning and cultural immersion in a context of ethical analyses and reflection. This course provides a supervised learning experience in a community learning site and is designed to integrate the knowledge, values, and skills presented in the classroom, as well as the individual research that the students will be performing, with the experiences in the community. CO: EDP 461.

**EDP 461. The Power of One: Poverty, Sustainable Development. 3 credits.**

A multi-disciplinary study of social justice issues pertaining to people experiencing material poverty. This course will combine Theological beliefs to make meaning out of the injustices in our world, with Economics views that address sustainable development ideas to eradicate extreme poverty. Classroom work is integrated with service-learning and cultural immersion in a context of ethical analyses and reflection. While addressing many of the social justice issues covered in this course from a global perspective, course work is designed to also bring a multi-disciplinary perspective to the exploration of the cultural, social, economic, political and religious aspects of life in the Dominican Republic. P. Critical Issues in Human Inquiry course.

**EDU 104. Integration of Art, Music, and PE. 3 credits. (Magis Core: Fine Arts)**

The purpose of this course is to present pre-service elementary school teachers with research-based evidence that supports the integration of art, music, movement and physical education activities across the curriculum. This course will provide the students with an overview of the fundamentals of these disciplines and will facilitate an appreciation for each. It will allow students to explore and savor the breadth of human knowledge and experience and uncover their own often hidden capabilities, which can then be passed on to the students that they will serve. There will be an emphasis on lesson planning, development of appropriate classroom management strategies, culturally relevant pedagogy, and efficient classroom transitions. Additionally, the students will discover that hands-on incorporation of the fine arts and PE will promote communication, inquiry, and engagement in daily teaching experiences. Students who complete EDU 104 will gain an understanding that the fine arts, human movement and physical activity are all central elements that foster creative, active, and healthy lifestyles, which in turn enhance the quality of life for elementary students. This course is designed to give students current, relevant, and practical teaching strategies, so they will be prepared to enter the workforce as confident, competent, and skilled teachers. Satisfies Magis Core: Fine Arts.

**EDU 131. Literature for Children. 3 credits. FA**

Study of children's literature, pre-primary through junior high; history; types; the contemporary scene; extensive required readings.

**EDU 170. Diversity and Justice in Education. 3 credits. FA, SP**

Course, both lecture and field-based oriented, provides inquiry into the professional field of education. Problem-solving activities, critical thinking case studies, and simulations will provide opportunities for students to explore the purposes of education, development of curriculum, cultural diversity of students and families, and history and philosophy of education. CO: COM 101.

**EDU 211. Exploring Child and Adolescent Development. 3 credits. FA, SP (Magis: Understanding Social Science)**

An introduction to the defining elements of scientific methodology with emphasis on the theories and concepts necessary for a teacher's or parent's understanding of child and adolescent development. A total of 35 clock hours of K-12 classroom aiding is required in conjunction with EDU 211. Satisfies Magis Core Understanding Social Science.

**EDU 242. Computer Related Technologies In Teacher Education. 2 credits. FA, SP**

Introduction to computer related technologies in the elementary classroom. Designed to give students a working knowledge of technologies currently being used in schools as curriculum enhancers and productivity tools. P. EDU 170.

**EDU 299. Understanding Educational Assessment and Statistical Reasoning. 4 credits.**

EDU 299 is a review of accepted educational assessment and measurement strategies and strategies for the use of statistical reasoning in reaching conclusions about data. P. Mathematical Reasoning and Understanding Social Science. P. Mathematical Reasoning; Understanding Social Science.

**EDU 320. Leadership: Theories, Styles, And Skills. 3 credits. OD (Same as COM 320)**

Course designed to offer participants an opportunity to gain a working knowledge of leadership theories and group dynamics. Designed to develop and improve leadership skills and to learn how to apply these skills in a practical setting. P. Jr. stdg. or IC; One Magis Core Understanding Social Science course.

**EDU 493. Directed Independent Readings. 1-6 credits. OD**

May be repeated to a limit of six hours. P. DC.

**EDU 495. Directed Independent Study. 1-6 credits. OD**

May be repeated to a limit of six hours. P. DC.

**EDU 497. Directed Independent Research. 1-3 credits. OD**

Student-initiated project under direction of a faculty member. May be repeated to a limit of six hours. P. DC.

**EDU 500. Literacy Assessment & Intervention. 3 credits. FA, SP**

Focus of the course is on meeting the variety of individual educational needs that confront a teacher of reading. Techniques, methods, materials, and organizational systems that can be used within the framework of daily instruction. Students participate in a practicum during class. P. EDU 566.

**EDU 510. Growth and Development. 3 credits.**

This course covers the theory and research literature of human development in every phase of life. Physical, cognitive, language, motor, personality, social, affective, moral, and spiritual development are considered as the course seeks to prepare students for roles in school, counseling, or therapeutic settings. P. EDU 170 or PSY 201.

**EDU 525. Inclusion and Differentiation in the Elementary Classroom. 3 credits. FA, SP (Magis Designation: Ethics)**

This course is designed to acquaint the regular elementary or secondary classroom teacher with inclusion and differentiation strategies. This includes the characteristics of students with mild/moderate disabilities. The course highlights discussions of diagnostic and remedial techniques for students with disabilities in the general classroom. Ethics in the school setting will also be explored. Students complete a 15-20 hour practicum under supervision of a special education teacher. P. Ethics, Education Department Consent.

**EDU 541. Curriculum Design For English As A Second Language. 3 credits. OD**

This course is designed to provide students with the knowledge and skills necessary for understanding and designing curricular models for P-12 students who are acquiring English as their new language. Students will learn theories of second language acquisition, English as a Second Language (ESL) legislation and issues, models of curriculum design, and language assessment.

**EDU 542. Methods In English Language Learning. 3 credits. OD**

This course is designed to provide students with the knowledge and skills necessary for using appropriate strategies and techniques with P-12 students who are acquiring English as their new language. Students will learn theories of second language acquisition, conduct language assessments, plan and implement lessons using bilingual/bicultural materials, and understand how to work with culturally/linguistically diverse families and interpreters.

**EDU 543. Practicum In English Language Learning. 3 credits. OD**

This course is the capstone for the teaching endorsement "English as a Second Language." Students will work in a P-12 school setting with students whose native language is not English. This course meets the certification requirements of the Nebraska Department of Education for a supplemental endorsement.

**EDU 544. Framework of World Languages and Cultures. 3 credits. OD**

Students will examine and compare cultural and language frameworks from world regions in order to understand the cultural and/or language dissonance experienced by limited or non-English speaking individuals in the United States.

**EDU 547. Teaching Residency in Grades 7-12. 3 credits.**

The course instructor will serve as an offsite supervisor for teacher residents while they complete a full-time residency in an accredited school. The instructor will work with the onsite mentor teachers to assist residents with putting into practice the specific skill set acquired in previous course work. P. EDU 521, 535, 551, 583, GRD 600.

**EDU 548. Differentiating Instruction. 3 credits. SP**

Teacher candidates will learn how to identify and support students with special learning needs using assessment data and differentiated instruction. Topics include history of special education, IEP referral process, scaffolding techniques in lesson planning, and case studies. Application of skills will occur during a practicum experience. This course meets the Nebraska Department of Education special education requirements. P. Department consent.

**EDU 556. Foundations and Best Practices of Early Childhood Education. 3 credits.**

An in-depth study of early childhood development theory (birth through age 8), principles and current research including both typical and atypical development and the implications this has for early childhood education. Study will extend to observational strategies and application of growth and development data in decision making for developmentally appropriate practice. A total of 15 clock hours of field experience will be required in conjunction with EDU 556.

**EDU 557. Investigating Critical and Contemporary Trends and Issues in Early Childhood Education. 3 credits.**

An in-depth study of critical trends and issues that have an impact on early childhood education today. These include but are not limited to family involvement, cultural diversity, differentiated instruction technology, and the benefits of nature and outdoor play.

**EDU 558. Content and Methods Specific to Early Childhood Education. 3 credits.**

This course is designed to prepare candidates to use their knowledge of academic disciplines to design, implement, and evaluate experiences that will promote positive development and learning in the content areas of math, science, social studies, health and religion for each and every young child. Focus will be placed on the use of inquiry tools, knowledge of content, and developmentally appropriate teaching strategies and methodologies to design, implement, and evaluate meaningful and challenging curriculum that promotes positive outcomes for all early learners. Emphasis will also be placed on the candidate's use of knowledge acquisition and self-reflection to deepen and improve teaching practices. This course will include a 10 hour field experience, which will allow the students to put into practice the skills they have learned throughout this course.

**EDU 559. Significant Concepts for Early Childhood Education. 3 credits.**

This course explores the importance integrating literacy, play, the arts, and social/emotional teaching practices in programs for children birth to age 8. Emphasis is placed on understanding the principles and practices that support young children's emerging literacy. It links the significance that oral language and early exploration has on later reading and writing skills. Focus will be placed on the role of play in influencing cognitive, social, emotional, physical, and language development. The course also identifies how the arts build interest, motivation, and learning in all curriculum areas. This course will include a 10-hour field experience, which will allow the students to put into practice the skills they have learned throughout this course.

**EDU 560. Assessment, Observation, Screening and Evaluation in Early Childhood Education. 3 credits.**

This course is designed to ensure candidates understand that child observation, documentation, and other forms of assessment are central to the practice of all early childhood professionals. In this course students will learn about the uses of assessment, systematic observations, screening, and other effective assessment strategies in responsible and ethical ways. As well, the students will learn how to use these assessment practices to positively influence the development of every child. To aid in the professional growth of the students this course will focus on fostering reflective practices, and special attention will be paid to the need for partnerships with parents and colleagues. Additionally, this course will allow candidates to become familiarized with some of the commonly used teacher assessment methods, in the hopes that they will be equipped to use these to improve their own teaching practices. This course will include 10 hours of field experience, which will allow students to observe and participate in various assessment practices.

**EDU 561. Becoming an Early Childhood Teaching Professional. 3 credits.**

This course is designed to prepare candidates to identify and conduct themselves as members of the early childhood profession. This course will place an emphasis on ethical guidelines and other professional standards related to the early childhood practice. It will encourage students to use reflection, collaboration and critical thinking skills as they pursue and attempt to assimilate new knowledge into their experiences with early childhood education. As the candidates gain an identity as an early childhood professional they will be encouraged to engage in advocacy for the young child. This course will include a 45-hour practicum, which will allow the student to put into practice all of the knowledge gained in previous ECE courses. P. EDU 556, EDU 557, EDU 558, and EDU 559. CO: EDU 560.

**EDU 565. Methods of Teaching Language Arts In Elementary School. 3 credits. FA**

Emphasizes content and methods in teaching language arts in elementary and middle school. Students complete a minimum of 32 hours of practicum in a school classroom. P. DC. CO: EDU 566, EDU 567, EDU 583.

**EDU 566. Methods of Teaching Science of Reading in the Elementary School. 3 credits. FA**

Designed to assist in understanding the process of developmental reading and to acquaint the student with the newest as well as the traditional tools for teaching reading. P. 211; Admission to major. CO: EDU 565.

**EDU 567. Methods of Teaching Social Studies in Elementary School. 3 credits. FA**

Emphasizes content and methods in teaching social studies in elementary and middle school. CO: EDU 565.

**EDU 568. K-8 Math Content and Pedagogy. 3 credits. SP**

K-8 Math Content and Pedagogy is designed for pre-service teachers and provides an in-depth exploration of essential K-8 mathematics content. The course emphasizes developmentally appropriate instructional strategies tailored to elementary and middle school students. This competency-based course prioritizes critical thinking, problem-solving, and interactive teaching methods ensuring that future educators are equipped to create engaging and effective learning environments. Some other key components of the course are a thorough evaluation of current curricular materials commonly used by school systems, the strategic use of assessment to inform and guide instruction, and student math discourse. Students are required to complete a 25-hour practicum as part of this course. Satisfies Magis Designation: Oral Communications. P. Oral Communication course; Education major. CO: EDU 569.

**EDU 569. Methods of Teaching Science in Elementary School. 3 credits. SP**

Emphasizes content and methods in teaching science in elementary and middle school. P. Admission into Education Dept required. CO: EDU 568.

**EDU 583. Classroom Management. 3 credits. SU**

Teacher candidates will learn how to facilitate student learning by establishing positive student relationships. The course emphasizes the use of behavioral expectations, reinforcement, procedures, and student responsibility both for actions and for reconciliation.

**EDU 584. Advanced Instructional Practices. 3 credits.**

This seminar-style course is designed to develop teachers' skills in enhancing learning for all students by engaging them in activities that respond to their particular learning needs, strengths, and preferences. Instructional practices for differentiated instruction and culturally responsive pedagogies will be covered. Graduate students will learn about and engage in the processes of educational research. P. DC.

**EDU 586. Special Topics in Education. 2-3 credits. OD**

Course designed to deal with current theory, research and practices in a specific area, e.g., social studies education. Faculty will provide a subtitle and a brief description for inclusion in the "Schedule of Courses." P. DC.

**EDU 587. Methods Of Teaching Religion In Elementary School. 3 credits. OD (Same as THL 587)**

The course is designed to prepare students to effective religious educators in Catholic elementary schools. The course content will encompass the four dimensions of religious education: message, community, service and worship. Students will not only become acquainted with methods and materials for teaching religion, but they will also gain experience planning liturgical celebrations.

**EDU 590. First Year Teacher Induction Workshop. 3 credits. OD**

Designed to ease the isolation and provide continuity between the theory of pre-service preparation and the realities of teaching. Assistance provided in acquiring additional knowledge and instructional skills, combating the effects of isolation, and becoming integrated into a school community. P. DC.

**EDU 591. Clinical Practice (Student Teaching). 1-14 credits. FA, SP**

This course provides students with the opportunity to apply theoretical knowledge and pedagogical skills in authentic classroom settings. Students work closely with mentor teachers and university supervisors while engaging in practical teaching, observation, reflection, and collaboration. Emphasis is placed on developing and refining instructional strategies, classroom management techniques, and assessment practices. EDU 591 meets the Nebraska Department of Education's clinical practice requirement. Satisfies Magis: Designated Ethics.

**EDU 593. Clinical Practice (Student Teaching) Seminar. 1 credit. FA, SP**

Practical experience in the observation and conduct of classroom teaching and related activities. This experience is obtained under the immediate supervision of a fully-experienced cooperating teacher and a University supervisor. Application to the Director of Field Experiences for all student teaching must be made before February 1 for the Fall Semester and October 1 for the Spring Semester. P. DC.

**EDU 595. Restorative Justice in the Eyes of our Youth. 3 credits.**

An introduction to the nature of restorative justice, community engagement, and developmental relationships, in a classroom setting, on a societal level, and in an interpersonal context. This course will survey the interplay between various systems that lead to injustice, specific behavior patterns, as well as analyze destructive and constructive human emotions, developmental relationships, and behavior. Students will be placed in metro area locations assisting youth. Students will use this practicum as an Academic Service Learning experience to help serve the community and put their Creighton and course learnings to practice. Prereq: Critical Issues in Human Inquiry course.

**ENG 100. Introduction to Composition. 3 credits.**

Individualized approach to the skills and strategies of expository writing. This course DOES NOT satisfy the Magis Core Composition requirement.

**ENG 150. Contemporary Composition: College Composition. 3 credits. FA, SP**

This course engages students in a variety of writing tasks to prepare them for writing in college as well as post-college and life situations. Students will analyze and construct a variety of texts, using appropriate technologies.

**ENG 153. Contemporary Composition: Creative Writing. 3 credits.**

This component introduces students to the essentials of academic writing. While themed around specific topics, all sections will use the elements of creative writing to present the theory and the practice rhetoric and composition, teaching students how to construct well-organized and well-supported arguments through their own creative writing. Successful writing is far more than piecing together correct sentences or finding a single "voice". It requires that students become skilled rhetoricians - attuned to diverse audiences and capable of writing with clarity of purpose and precision of expression - so that they may effectively communicate their unique contributions to their respective fields. As the meaning of "learning to write" has changed dramatically in the 21st century across the disciplines, this component necessarily instructs students in effective, appropriate, ethical uses of technology for writing in a digital age through the means of creative writing.



**ENG 154. Contemporary Composition: Writing About Energy. 3 credits.**

Expository, persuasive, and analytical writing for various audiences and purposes, with a thematic focus on energy and sustainability. CO: While this course is not restricted to Energy Technology (ERG) major or minors, ERG major/minor students must take ENG 157 in the same semester as ENG 154. There is no co-requisite for non-ERG students.

**ENG 157. Contemporary Composition: Advocacy and Knowledge. 3 credits.**

This course will explore how knowledge is socially constructed via scholarly practice and online participation and, further, how such knowledge can be leveraged for democratic participation. The course will consist of four units, all of which will ask students to write reflectively and publicly in several genres and media.

**ENG 158. Voices for Health: Contemporary Composition for Pre-Health Students. 3 credits.**

In this course, we will focus on voices within healthcare. Students will read others' narratives about their experiences with healthcare, they will engage with and produce their own research about a problem within healthcare, and they will write about their own healthcare experiences. Students will practice understanding others' voices as well as using their own voices in order to advocate for themselves and others within a healthcare context. Meets Magis Core Contemporary Composition component.

**ENG 170. Literature in Life: Literature Engaging Life. 3 credits.**

Through the study of the novel in the U.S., this course encourages the development of students' engagement with core principles of Jesuit education: to engage thoughtfully and critically with the notion of the meaning of human dignity, "as articulated within the Catholic, Jesuit, and other intellectual traditions and how human dignity is influenced by systems of social differentiation and by relative power and privilege." The course also carries a significant communication/speaking component linked to "Communicating Critical Issues." CO: COM 101.

**ENG 171. Narratives of Health & Illness. 3 credits.**

Autobiographies, from Benjamin Franklin to Holocaust memoirs, provide insight into how we experience meaningfulness and understand human dignity. This course will explore those core principles of a Jesuit education through our thoughtful and critical autobiographical research projects with written, oral and multimedia components. CO: COM 101.

**ENG 172. Race and Identity. 3 credits.**

An examination of how power and privilege are tied to issues of race. In their papers, oral presentations, class discussion, students will articulate their perception of race, prejudice, and discrimination. This course includes a mandatory service component. CO: COM 101.

**ENG 174. Representing Violence and Northern Ireland. 3 credits.**

From 1968 to 1998, the Six Counties of Northern Ireland experienced a sustained period of politically motivated violence and terrorism. The period known as The Troubles has left an indelible mark on Northern Ireland and its literature, often summed up in Seamus Heaney's famous dictum: whatever you say, say nothing. This course explores the history, ethics, and representation of the Troubles in Northern Irish Literature. CO: COM 101.

**ENG 175. Slumming It: Poverty and the Novel. 3 credits.**

This course introduces students to the history, theory, and literary representation of the modern metropolis in the nineteenth century. By focusing on London, Paris, and Manchester, this course will discuss various experiences of modernity, the influence and development of capitalism, and the formation of urban selfhood. Students will explore and examine the intersections of gender, sexuality, and class on the experience of the nineteenth-century urban dweller. CO: COM 101.

**ENG 176. Creating Communities. 3 credits.**

This course, designed for students in the Dean's Fellows program, asks students to think critically about the taken-for-granted concept of "community" as related to their identities as first-year students in the Dean's Fellows program at a Catholic, Jesuit university in urban Omaha, Nebraska. Students will consider how community is more than a group of people, but rather a mix of personal and public contexts, boundaries, and possibilities. Students will explore their newfound identities in the community of Creighton, will conduct anthropological research into "organic" (non-academic) intellectual communities on campus, and will work with a community partner (via the Office of Academic Service Learning) to publicize an issue on Creighton's campus. Throughout, students will explore the communities they are entering, and the systems of power and privilege at play in these communities. CO: COM 101.

**ENG 177. Reel Issues Studies in Film. 3 credits. S**

Critical Issues in Human Inquiry deals with the critical issues people deal with personally and in society. In Studies in Film, we will look at how film characters deal with critical issues and try to manage them ethically and analyze them in the framework of Jesuit values. In this class we will view films and film clips to learn about film technique and how films express ideology to demonstrate the intersections of history, politics, cross-cultural exchange, and religious life. We will learn from the experiences of people different from ourselves and begin to articulate our own identities and experiences in meaningful ways. Students will additionally examine the critical issues that touch them individually through writing and presenting their own research projects and a film project. Through research and literary analysis, you will develop basic skills of critical reading, textual analysis, and contextual research. CO: COM 101.

**ENG 178. Hero Literature. 3 credits.**

Hero stories present and challenge their cultures' ideals and values. They offer heroic visions of ways that we might intercede in injustice, imagine better realities, and practice active compassion towards others. This course introduces students to the genre of "hero literature" aimed at young adult audiences; it also introduces students to the methods and techniques of literary analysis. We will apply these skills to analyzing contemporary hero stories in order to understand how literature challenges, shapes, and forges heroic ideals in emerging adults. CO: COM 101.

**ENG 179. Critical issues: Faith and Fiction. 3 credits.**

This course seeks to acquaint students with the rich tradition of Catholic literature in the English language that has emerged after the Second World War. It will chronicle the movement of Catholics from their ethnic and religious enclaves to their better educated and integrated, more suburban existence in the late twentieth and early twenty-first centuries. It will also examine the regional flavor of American Catholicism, contrasting fiction of the Northeast with the of the South, Midwest, and West. Some themes uniting the course will be sacramentality, embodiment, the search for truth and meaning, the reality of evil, forgiveness, and the inexhaustibility of grace. Expect to read works by Flannery O'Connor, Andre Dubus, Mary Gordon, Ron Hansen, Alice McDermott and Ann Patchett. CO: COM 101.

**ENG 180. Creative Writing and Justice. 3 credits.**

This course explores a variety of creative writing texts (poetry, fiction, and creative nonfiction) that deal with concepts of justice. Through the production of students' own creative work, the course also considers how we as creative writers can hone our skills of empathy in order to aid our understanding of human dignity. CO: COM 101.

**ENG 200. Introduction to English Studies. 3 credits.**

ENG 200 is the foundational gateway course that is a prerequisite for the three upper-level Sources and Methods of the major courses. It introduces students to methods and skills in English studies. P. Contemporary Composition.

**ENG 203. Telling Your Story: Business Writing Skills Intensive. 1.5 credit.**

The trajectory of the stock market and the economy, according to Nobel Prize-winning economist Robert J. Schiller, is tied to the stories and broader narratives of society and the marketplace. In this class, you will learn how a well-defined, creative, and professional narrative can help you navigate the world of business. By focusing on multiple types of writing for various audiences, you will develop skills that will help you pitch yourself and your ideas to a diverse range of potential clients, employers, and funding bodies. Craft your narrative so you can succeed in whatever marketplace you need. P. Contemporary Composition; Sophomore standing.

**ENG 220. Queer Literature and Cinema. 3 credits.**

Students in this course will evaluate literary and cinematic representations of LGBTQ+ private and public life, analyzing discrete texts relative to the individual, social, and cultural contexts of their production. Working closely with a minoritized cannon of literature and film, students will identify and interpret common forms, genres, narratives, and tropes as responses to the politically, culturally, and aesthetically fraught question of "representation." How have writers and filmmakers sought to rethink the meaning and value of fictional representation and its relationship to the shifting political landscape around minority sexual and gender identities? The course will approach this question historically, through considering how theories and beliefs about representation emerged out of a specific social and cultural milieu, as well as examining how it might inform our understanding of queer politics and cultural work today. Working across media and thinking through the intersections of race, sexuality, gender, and class, students will leverage creative narratives to produce more robust and complex accounts of human experience than is captured by near master narratives of liberal progress. Satisfies Magis Core: Literature. P. One Magis Core Curriculum Critical Issues in Human Inquiry course.

**ENG 221. Global Literatures. 3 credits.**

An introduction to Western and non-Western world literatures with particular emphasis on gender, ethnic, and cultural diversity. P. Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**ENG 222. Emotions in Literature & Life. 3 credits.**

We often think about emotions as individually experienced feelings that must be set aside to make way for rational, critical thinking. In this class, you will learn how the emotions you experience in everyday life are constructed by your community and our society, and how emotions can be a source of knowledge and insight. After becoming more aware of your emotional experiences in daily life, we will study the way that the emotions you experience as a reader of literature can give you insight into the functioning of emotions in human life. Satisfies Magis Literature. P. Magis Critical Issues in Human Inquiry.

**ENG 223. Studies in Native American Literature. 3 credits.**

This course will provide a survey of significant literature - memoir, poetry, fiction, drama and film - by Native authors from the early 1800s to the present. We study these texts to learn about tribal identities and cultures and to analyze how these texts engage with the critical questions of human spirituality, identity and purpose from a Native perspective. P. One Magis Critical Issues in Human Inquiry course.

**ENG 224. Introduction to Asian American Literature. 3 credits.**

This course introduces students to the literary and cultural histories of Asian America. Students will read Asian American texts of different genres and forms from the nineteenth century to the present. We will consider not only the texts' formal techniques and aesthetic strategies but also the historical significance and political meanings of Asian American experience. The course situates Asian Americans texts in transnational and comparative contexts to build connections with other racial and ethnic minority histories and cultures. Ultimately, student will engage with the ongoing, ever-evolving conversations about Asian American identity, legitimacy, and belonging. Satisfies Magis Core: Literature. P. Critical Issues in Human Inquiry.

**ENG 225. Dead Men Tell No Tales: Pirate Literature Through the Ages. 3 credits.**

This course introduces students to literary study through an examination of the development of pirate literature from 1600 to the present. We will explore how pirates in literature went from being figures that were critiqued and censured (if also begrudgingly admired) to becoming the romanticized, heroic figures that currently pervade our cultural imagination. P. One Magis Core Critical Issues in Human Inquiry course.

**ENG 226. Fiction and the Idea of the Nation. 3 credits.**

This course is designed to look at the relationship between questions about national identity and national belonging. We will explore the representation of various nations and national spaces, national subjects and subjectivities, as well as their relationships to modes of history all in literary texts from the Romantic period. P. One Magis Core Critical Issues in Human Inquiry course.

**ENG 227. Science/Fiction. 4 credits.**

This course is an exploration of the genre of science fiction as well as selected scientific topics contained therein. Science fiction will be examined from both a literary and a scientific perspective. P. Critical Issues in Human Inquiry course, Contemporary Composition course, and Mathematical Reasoning course.

**ENG 228. The City in Literature. 3 credits.**

Students in the course will learn to identify, interpret, analyze, and evaluate the literary imagination of the city in its individual, social and cultural dimensions. What forms or genres, narrative strategies, and tropes and motifs do literary texts employ to represent the history, geography, and sensorial experience of the city? How do literary texts understand the fraught relationships between the city, nation, region and the world? The course will examine not only the representations of the city in literature but also how these literary texts might inform our own experience of urban places. Students will use research and scholarly writing to challenge simplistic narratives of urban capitalist transformation or urban decay and instead produce new knowledge that synthesizes the many contradictions that the city represents: between freedom and alienation, anonymity and entangled lives, feelings of strangeness and fleeting intimacies. Literature will provide us a unique vantage point for understanding the messy and complex realities of race, gender, class and sexuality in the city in a way that cannot be grasped through the big data approaches to the urban sphere. Meets Magis Core Literature component. P. Critical Issues in Human Inquiry course.

**ENG 229. Literature and Medicine. 3 credits.**

Disease and death are everywhere in literature, as are attempts to regain and maintain health. In the past half-century, however, patient narratives and narratives of those who have cared for them, have been published in increasing numbers and today constitute both a supplement to medical history and a new form of literature. Literature has become just as much a part of medicine as medicine has been a part of literature. This course examines the overlap of medicine, literature, and culture in order to understand the ways in which various societies understand health and illness, life and death; what literature can do to better understand the patient and the physician; what dialogue can be had between these two fields. P. Critical Issues in Human Inquiry.

**ENG 231. Today's Hits: Contemporary Literature. 3 credits.**

In today's rapidly evolving literary landscape, this course offers an exploration of contemporary literature published in the last twenty years. Through a diverse selection of texts, students will delve into the multifaceted nature of modern storytelling and examine how authors navigate the complexities of the current moment. Satisfies Magis Core: Literature.

**ENG 251. Advanced Composition. 3 credits. OD**

The ENG 251 course offers an intensive immersion into compositional areas that extend from, or are different than, those engaged in ENG 150, Rhetoric and Composition. Students will engage advanced rhetorical and compositional theory and practice, including but not limited to, multi mediation, advanced research, and/or other critical textual concerns. P. Contemporary Composition course.

**ENG 300. Introduction To Creative Writing. 3 credits. FA, SP**

In this course we will study and practice the art of writing fiction and poetry. An emphasis will be placed on student work - via workshops and written peer critiques of short stories and poems-as well as on the published literature of established writers. We will focus heavily on reading as writers, in order to understand why certain pieces of writing work more effectively than others. P. Contemporary Composition course, Critical Issues in Human Inquiry course.

**ENG 301. Creative Writing: Narrative Forms. 3 credits. FA**

Narrative Forms provides practical guidance in the writing of fiction and a forum for discussing the theory and appreciation of fiction. P. Contemporary Composition course; ENG 300 or consent of Director of Creative Writing.

**ENG 302. Poetic Forms. 3 credits. SP**

Poetic Forms provides practical guidance in the writing of poetry and a forum for discussing the theory and composition of poetry. Prereq: Contemporary Composition.

**ENG 307. Introduction to American Studies. 3 credits. FA (Same as AMS 307 and HIS 307)**

This course provides an introduction to the field of American Studies, which seeks to understand the complex reality of "the American experience" in all its variety. Topics include the history of American Studies as a discipline as well as its methodologies, central concepts, and emerging questions. Students will examine a broad topic from multiple disciplinary perspectives, with an emphasis on developing and employing the methodological tools common to contemporary American Studies scholarship. The topic/content areas will be selected by the instructor, based upon his/her area of scholarly expertise. P. Soph. stdg.

**ENG 308. Theories and Methods in American Studies. 3 credits. SP (Same as AMS 308)**

This course introduces students to prevailing theories and methodologies in American Studies. Students will examine in a critical fashion interdisciplinary studies of the meaning and significance of 'Americanness' in historical, cross-cultural, and even trans-national contexts. The complex relationships between ethnic, religious, racial, and ideological groups in American society will receive critical attention. P. So. stdg.

**ENG 311. Ethics And The Use Of Rhetoric. 3 credits.**

Survey of the major works on rhetoric that treat ethics from the time of Plato to the Moderns. P. Contemporary Composition course; Jr. stdg.

**ENG 312. Mass Media and Modern Culture. 3 credits. SP (Same as AMS 312, COM 312)**

Examination of the role of film, television, and media in American life. P. Jr. stdg.

**ENG 313. The Essay: Critical and Developmental Reading. 3 credits. OD**

Critical reading of nonfictional prose concentrating on the logic, organization, style, and vocabulary of essays. Especially recommended for pre-law students. P. Contemporary Composition course.

**ENG 314. Explorations in the Essay. 3 credits. OD**

This course invites students to both study and practice the personal essay, examining this category often called "creative nonfiction" or the "fourth genre." As both writers and readers, we will consider how identity is represented in our own and others' texts. P. Contemporary Composition course.

**ENG 315. Technical And Professional Writing. 3 credits. OD**

Writing in and with technology; patterns of reports and correspondence; professional style and structure. P. Contemporary Composition course.

**ENG 317. Composition Theory And Practice. 3 credits.**

Composition is a field that approaches writing and its teaching as both a means and object of critical inquiry, something best learned by study and by practice. In this course, we will engage competing composition theories, examine and experience a range of writing practices and approaches, and explore problems and possibilities in literacy education. In this certified writing course, you will also have the opportunity to study your own writing process and development. P. Contemporary Composition course.

**ENG 329. American Literature/American Identity. 3 credits. OD (Same as AMS 329)**

Analysis of the treatment of the American identity as it is represented in American literature of the colonial period to the present. P. Contemporary Composition course.

**ENG 330. Sources and Methods of Writing. 3 credits.**

ENG 330 focuses on the concepts, skills and discursive practices associated with effective writing in at least one of the three English sub-disciplines: creative writing, literary studies, and composition and rhetoric. As part of this course, students will receive and provide feedback from each other on their writing and have opportunity to incorporate the feedback in revision, developing their skill in assessing the effectiveness of their own and others' writing practices. P. ENG 200.

**ENG 331. Sources and Methods of Reading. 3 credits.**

Students will engage in methods of understanding or interpreting how a text works. A text is understood to work when its form and its function interact to direct, constrain or multiply meanings. This course introduces students to different methodologies relevant to the discipline of English studies of the course that explain how reading enables the critical interpretation or understanding of texts. Those methodologies situate texts' meanings in different ways. P. ENG 200.

**ENG 332. Sources and Methods of Justice. 3 credits.**

All professors, in spite of the cliché, are in contact with the world," says Peter Hans Kolvenbach, S.J. Students in ENG 332 will analyze the role of English studies in the discipline of the course as it is in contact with the world. Specifically, students will be asked to critically engage with the moral dimensions of reading and writing; students will explore and explain how writing and reading illuminates humans' search for truth, demonstrates or challenges us to grow in solidarity, and/or demonstrates ways in which we can take responsibility for the complex realities of the world. Students' projects in the course will demonstrate this critical engagement with the moral dimensions of reading and/or writing by demonstrating how texts can contribute to positive solutions for social inequality, or particulate solutions to social justice issues. This course demonstrates our department's preferential option for an understanding of English studies that engages questions of society, justice, and the world. P. ENG 200, Ethics course, Critical Issues course.

**ENG 340. English Literature I: Medieval/Early Renaissance. 3 credits. SP**

An historical survey of English literature to 1600. P. Contemporary Composition course.

**ENG 341. English Literature II: Late Renaissance/Neo-Classical. 3 credits. FA**

An historical survey of English literature between 1600 and 1800. P. Contemporary Composition course.

**ENG 342. English Literature III: Romantic/Victorian. 3 credits. SP**

An historical survey of English literature between 1800 and 1914. P. Contemporary Composition course.

**ENG 350. American Literature I: Beginning To Civil War. 3 credits. SP (Same as AMS 350)**

An historical survey of American Literature from its beginning to 1860. P. Contemporary Composition course.

**ENG 351. American Literature II: 1860-1914. 3 credits. FA**

An historical survey of American literature from 1860 to 1914. P. Contemporary Composition course.

**ENG 352. English And American Literature: 1914 To The Present. 3 credits. FA**

An historical survey of English and American writers from 1914 to the present. P. Contemporary Composition course.

**ENG 353. Special Topics in Native American Literature. 3 credits. (Same as NAS 353)**

The course focuses on several seminal literary texts in the Native American literary tradition as it emerged in the twentieth century. Prereq: Contemporary Composition course.

**ENG 371. American Literature: Vision And Reality. 3 credits. OD**

Values and ideals in American literature from the Seventeenth Century to the present. P. Contemporary Composition course.

**ENG 372. Western Literature of the United States. 3 credits.**

This course focuses on seminal literary texts in the Western American literary tradition as it emerged in the late-nineteenth and early-twentieth centuries and continues to the present. P. Contemporary Composition course.

**ENG 376. Caring for the Poor: Poverty, Health Care, and the Novel. 3 credits.**

In his landmark *Capital in the Twenty-First Century*, Thomas Piketty argues that the best way to understand historical income- and wealth-inequality is to look to the novels of Austen, Balzac, and Dickens. But what about the intersection of inequality and medical care? While we know that the intersection of poverty and medical care is undeniable, what can we learn about today's healthcare inequalities by exploring the relationship between poverty and medicine in literature? This course explores those questions by situating medical history in a broader context of literature, economics, and public health. P. Ethics; Contemporary Composition; Critical Issues in Human Inquiry.

**ENG 378. Hysteria: Gender and Health in Literature. 3 credits.**

It is impossible to separate the study of medicine and health from the gendered discourses of the body. From anxieties of hysteria and "the female malady," to concerns for household cleanliness and public health, the development of modern medicine reveals shifting attitudes toward and experiences of gender. This course explores the intersection of gender, politics, and medicine through the framework of literature in order to help students better recognize that medicine and healthcare, like literature, depends on the "interpretation" of remarkably personal narratives. Drawing on the diverse and interdisciplinary relationship between Literary Studies and Health Care, this course seeks to provoke new and exciting conversations that challenge our conceptions of health and care.

**ENG 380. History And Criticism Of Cinema. 3 credits. FA (Same as ART 380, COM 380)**

Motion pictures as a distinctive medium of communication and as an art form; film language; film history; film appreciation; critical assimilation of film content. P. Contemporary Composition course.

**ENG 381. Literature and the Environment. 3 credits. OD**

Explores English and American nature writing from the neoclassical era to the present. The course investigates the ways in which different authors have seen and have expressed their relationships to their environments and the human relationship to the natural world in general. The course examines nature writing in a variety of genres-poetry, novels, and non-fiction prose essays. It also covers relevant work from contemporary eco-criticism of literature. P. Contemporary Composition course.

**ENG 382. History and Future of the Book. 3 credits.**

Explores the history of the book, its impact on Human cultures and literacies, and its future in a digitally-mediated age. P. Contemporary Composition course.

**ENG 386. Medical Humanities in English Studies. 3 credits.**

This class exists at the intersection of literature, narrative studies, medical narratives and medicine. As such, it understands the complex interrelationships between the study of English and the treatment of the human body through medical practices. Exploring these intersections allows us to understand what skills studying English can provide to produce a more humane, ethical, compassionate, and effective model for health care and medicine. One aim of this course is to demonstrate that improving narrative competency and communication skills can lead to greater comfort with and compassion for patient narratives. At the same time, this course aims to demonstrate the ways in which narratives can help reclaim voices, can help humanize suffering, and can help us heal. Together, literature and medicine allow us to form interpretive frameworks that assemble meaning in the face of life's fragility. P. Ethics, Contemporary Composition.



**ENG 389. The Roaring Twenties. 3 credits. OD (Same as AMS 389)**

Representative American authors and works from the 1920's. P. Contemporary Composition course.

**ENG 390. Introduction To African Literature. 3 credits. FA (Same as AFS 390, BKS 390)**

Contemporary African literature. Relationship between African literature and society, emergence of national and cross-African literatures, issues of cultural conflict, language and oral tradition, and other topics. P. Critical Issues in Human Inquiry; Contemporary Composition.

**ENG 393. African-American Literature. 3 credits. SP (Same as AMS 393, BKS 393)**

A survey of representative African American literature from its inception to the present. The particular representative authors and genres and the historical focus of the course may differ each semester. P. Contemporary Composition course.

**ENG 398. Literature Of Francophone Africa. 3 credits. OD (Same as AFS 398, BKS 398)**

Sample of representative Francophone African literature. Nature and functions of this literature, relation between it and society. Impact of non-Western cultural context on Western literary genres. P. Contemporary Composition course.

**ENG 400. Novel Ecologies: History, Literature, and Environmental Crisis. 3 credits. (Same as HIS 400)**

This course will challenge students to identify the underlying assumptions of conservation practice in western and non-western contexts and explore how they have changed over time. Using case studies from New Zealand and Nebraska, it will emphasize the natural-cultural consequences of settler colonialism, globalization, and the history of ecological thinking, and deepen awareness of the social and ecological roots of environmental crises, the diversity of ecological worldviews on local and global scales, and foster engagement with issues of social and ecological justice. P. Critical Issues in Human Inquiry; Instructor approval. CO: BIO 189.

**ENG 403. Seminar in Creative Writing. 3 credits. FA, SP**

Small group or individualized attention and practice in the student's chosen genre(s). Designed to allow the student extensive work on an advanced level, the course may be repeated a maximum of three times. P. Contemporary Composition course; ENG 301 or 302 or consent of the Director of the Creative Writing Program.

**ENG 404. Screenwriting. 3 credits. AY**

Workshop in the writing of the feature-length screenplay. Designed to allow the student to do extensive work on an advanced level. P. Contemporary Composition course, and ENG 300 or IC.

**ENG 405. The Thirties. 3 credits. OD**

Intensive study of the literature of the Depression and the New Deal. P. Contemporary Composition course; Jr. stdg.

**ENG 408. Chaucer. 3 credits. OD**

Artistic accomplishments of Geoffrey Chaucer, with particular emphasis on *The Canterbury Tales*. P. Contemporary Composition course.

**ENG 409. Shakespeare. 3 credits.**

Survey of Shakespeare's background; dramatic analysis of Shakespearean plays. P. Contemporary Composition course.

**ENG 410. Women in Literature. 3 credits. OD**

Literary works by and about women. P. Contemporary Composition course.

**ENG 411. Milton. 3 credits. OD**

The mind, art, and historical significance of Milton as revealed in his major poetry and prose. P. Contemporary Composition course.

**ENG 412. Studies in Major Authors. 3 credits. FA, SP**

A study of a major author or group of authors. The particular authors studied will vary each semester. The course may be taken more than once. P. Contemporary Composition course.

**ENG 420. Utopian Literature. 3 credits. OD**

Examination of utopian models and ideals in selected literary classics, including anti-utopian literature. P. Contemporary Composition course.

**ENG 421. History of the English Language. 3 credits.**

Historical approach to the study of the English language from Old English to Modern English. P. Contemporary Composition course.

**ENG 422. Introduction to Linguistic Studies. 3 credits. OD**

Survey of the history of the English language and an examination of the structure of modern English grammars. P. Contemporary Composition course.

**ENG 424. Adventurous Men and Wild Women: Genre, Gender and Geography in Fin-de-Siecle Literature. 3 credits.**

British Literature from 1880-1916 was dominated by the concept of adventure, stretching across the far reaches of the Empire. Tales of colonial exploration like *Treasure Island* were meant to help construct imperial geographies and, at the same time, to help conceive imperial masculinities. Even though these were intended for boys, girls found their own adventurous literature that was bound up with renegotiations of gender, geography, and genre. This course will explore the interrelated concepts of imperialism, decadence, and the New Woman in order to understand the ways in which literature helped construct and subvert gender and Empire at the end of the nineteenth century. P. Contemporary Composition; Critical Issues in Human Inquiry course; Ethics; Senior standing.

**ENG 425. Popular Literature. 3 credits. OD**

Examination of popular literary forms: detective fiction, science fiction, fantasy, best-sellers, gothic/contemporary romance, western, spy-thriller, horror/supernatural. P. Contemporary Composition course.

**ENG 426. Canadian Literature. 3 credits. OD**

Study of the fiction and poetry of major Canadian writers. P. Contemporary Composition course.

**ENG 427. Health, Justice and Literature. 3 credits.**

Our health affects every aspect of our lived experience; health care is shaped by access or denial—access to equity, dignity, and justice, or denial of them. Strengthening our narrative capacities can help us articulate the relationship between equity, dignity, justice, and health care as a holistic practice encompassing health, illness, healing, suffering, and death. This course begins from the premise that, on one hand, what medicine lacks—in singularity, empathy, humility—can, in part, be addressed by literary studies, and, on the other hand, medicine and health care can help literary scholars make their skills meet the social needs of the world around us. By integrating literature and medicine, we can create a world that is more equitable, dignified, and just. P. Critical Issues in Human Inquiry.

**ENG 437. Literature, Philosophy and Economics: In Search of Economic Justice. 3 credits. (Same as PHL 437)**

This course investigates the extent to which the application of principles of justice, fairness and reciprocity can be correlated with economic well-being, eudaemonia and sustainability, for agents involved in economic activity. While pointing to the harmful effects of competition, growth and profit as measurements of economic success wealth disparities, and the unbridled pursuit of self-interest, the course invites students to consider the economic value of cooperative division of labor, balanced co-existence with the environment and with other humans, fair exchange and just wealth distributions, and the taking into consideration of the well-being of others in economic decision-making. Ultimately, students in the course will be encouraged to consider whether and how justice in economic practices may be effectively constitutive of economic value and the only warrantor of the viability and sustainability of a good life. Satisfies Magis Core: Intersections, Designated Ethics, and Designated Written Communications. P. Critical Issues in Human Inquiry, Ethics, Contemporary Composition courses; Senior standing.

**ENG 438. Literacy And Community: Reading And Writing Toward Social Change. 3 credits. (Same as SRP 438)**

This class will challenge students to think more broadly about different kinds of literacies and the meaning of literacy in different social, political, and cultural contexts. Students will study how certain literacies become valued in our society and how literacy functions as a navigational technology that opens up some paths and closes off others. Students will question and examine taken-for-granted definitions of literacy and reflect on the role of literacy in their college lives and beyond. The class will have a hands-on component in that students will explore sites of literacy learning in the Omaha community. P. Contemporary Composition course; Critical Issues in Human Inquiry; Oral Communication; Senior standing.

**ENG 439. Literacy And Technology: How Technology Shapes Cultural Literacy. 3 credits. OD**

Students will explore the ways that literacy, technology, and humanity interact. Students will look at the ways that each of these entities affects the others. The course will begin with a historical look at human technological literacy, but the majority of the course will focus on present literacy and technology. P. Contemporary Composition course.

**ENG 440. Introduction to Green Cultural Studies. 3 credits.**

This course will introduce students to the field of cultural studies as it emerged in the U.S. and elsewhere, give students a working knowledge of cultural studies as a methodological approach, and facilitate the application of this methodology to environmental texts and issues. P. Contemporary Composition course.

**ENG 441. Trauma in Literature. 3 credits.**

This course examines depictions of trauma in major literary texts. Grounded in trauma theory, students analyze the ways in which traumatic events and the physical and neurological manifestations of trauma are presented through aesthetic language. They will also study the ways in which literature provides critical language to define, interrogate, and delimit trauma, and finally how literature provides narratives of healing and offers ways out of traumatic cycles. P. Critical Issues in Human Inquiry; Contemporary Composition.

**ENG 442. 18th and/or 19th Century British Novel. 3 credits. OD**

Study of the British novel from Richardson and Defoe to Thomas Hardy. P. Contemporary Composition course; and Jr. stdg.

**ENG 443. Modern British Novel. 3 credits. OD**

A study of the British Novel from the First World War through the post Second World War period. Lawrence, Forster, Bowen, Woolfe, Green, and others will be considered. P. Contemporary Composition course; and Jr. stdg.

**ENG 444. Modern British Poetry. 3 credits. OD**

A study of British poetry from 1900 to the present. Eliot, Hardy, Housman, Lawrence, and others will be considered. P. Contemporary Composition course.

**ENG 445. Daughters of Erin: Irish Women Writers. 3 credits.**

Bunrachtna hÉireann, the Constitution of the Republic of Ireland, declares that, "by her life within the home, woman gives to the State a support without which the common good cannot be achieved" (42.t.l'). This course explores the history of women writers on the island of Ireland and the ways that they have written against the dominant narrative that has consigned them to the home. From international-facing Romanticism to Jail Journals, this course will argue that Irish women writers have been anything but domestic. P. Contemporary Composition, Critical Issues, Senior Standing.

**ENG 446. The Body in Early English Literature. 3 credits.**

This course will examine diverse representations of the body in early English literature, paying particular attention to the way that bodies are gendered, racialized, spiritualized, pathologized, and politicized. The body is used as a powerful metaphor, and powerful things happen when metaphors are applied to it. We will especially focus on ways that non-normative bodies - bodies that bleed, get sick, give birth, are not white, or act in disorderly ways - challenge and even change the status quo. (Meets Magis Intersections requirement). P. Magis Critical Issues in Human Inquiry course.

**ENG 450. Contemporary British Literature. 3 credits. OD**

A study of post World War II British Literature. P. Contemporary Composition course.

**ENG 451. Modern Novel. 3 credits. OD**

Selected studies in modern long fiction. P. Contemporary Composition course.

**ENG 452. Modern Drama. 3 credits. OD**

Study of modern dramatists and dramatic techniques from Ibsen to Ionesco. P. Contemporary Composition course.

**ENG 453. Modern Poetry. 3 credits. OD**

Selected studies in modern poetry. P. Contemporary Composition course.

**ENG 455. Global Bollywood. 3 credits.**

This course will use Bollywood, or global popular Indian cinema, as a cultural and political lens to understand the "uncomfortable realities of the world" including poverty, capitalism, gender hierarchies, and religious conflict. Drawing on interdisciplinary frameworks of social and cultural studies, film studies, postcolonial and diaspora theory, and gender and race studies, students will explore the politics of globalized production and reception of culture, global connections that bridge differences, and intersections between American racial formations and postcolonial hierarchies. P. Critical Issues in Human Inquiry course, Contemporary Composition course.

**ENG 460. Satire. 3 credits. OD**

A study of various forms and techniques of satire with critical readings in the history and nature of the satirical genre(s); readings in satirical literature from the beginnings to the present; discussion of complex literary theories regarding satiric art. P. Contemporary Composition course.

**ENG 461. Comedy. 3 credits. OD**

Comic theory; varieties of comedy; the comic spirit as an essentially artistic and moral viewpoint. P. Contemporary Composition course.

**ENG 469. Modern American Poetry. 3 credits. OD**

A study of 20th century American poetry. P. Contemporary Composition course.

**ENG 470. Seminar in Film Studies. 3 credits. OD (Same as AFS 470, BKS 470)**

Topical seminar with topics changing in different semesters. Examination of particular areas of film and popular culture. Topics in different semesters might include detailed examination of a film genre (e.g., the western; science fiction; detective films), or film and cultural studies (e.g., women and film; film and developing nations). May be repeated for credit to a limit of six hours. P. Contemporary Composition course.

**ENG 471. Modern American Drama. 3 credits. OD**

Study of modern American drama. P. Contemporary Composition course.

**ENG 473. 19th-Century American Novel. 3 credits. OD**

Study of selected American long fiction from Brown to James. P. Contemporary Composition course.

**ENG 474. Modern American Novel. 3 credits. OD**

A study of the 20th Century American novel. P. Contemporary Composition course.

**ENG 475. Contemporary American Literature. 3 credits. OD**

Study of principal American writings of the post-World War II era. P. Contemporary Composition course.

**ENG 476. Writing and Working for Justice. 3 credits.**

An examination of issues concerning social justice, community problems, and their role as citizens. In a variety of prose writing projects, students will be expected to articulate their sense of how family and community are interconnected and how they are part of the larger community. P. Contemporary Composition; Oral Communication; Ethics.

**ENG 477. The Elements of Style: Form and Structure in Writing. 3 credits. OD**

Study of the modes and strategies of contemporary prose discourse; includes practice in rhetorical analysis.

**ENG 479. Internship. 0-3 credits. FA, SP**

Students will gain professional experience in literary writing and/or editing through working in a supervised literary internship on campus or in the community. P. Contemporary Composition course and IC.

**ENG 480. History Of Literary Criticism. 3 credits. OD**

A consideration of critical theory and practice from the ancient Greeks to the present. P. ENG major or minor.

**ENG 481. Special Topics in British Literature. 3 credits. OD**

A consideration of certain historical, aesthetic, and/or philosophical themes or ideas which serve as a means of forming an integrated view of British literature. P. Contemporary Composition course; ENG major or minor.

**ENG 482. Special Topics in American Literature. 3 credits. OD**

A consideration of certain historical, aesthetic, and/or philosophical themes or ideas which serve as a means of forming an integrated view of American literature. P. Contemporary Composition course; ENG major or minor.

**ENG 483. The Rhetoric of Emotion. 3 credits.**

We typically think about "emotions" as personal feelings that get in the way of our rational thinking. Drawing from the growing field of Critical Emotion Studies, this class will look at how emotions can be a social form of community action and how emotion can be used ethically to persuade others. Satisfies Magis Core: Intersections, designated Oral Communication and Written Communication course. P. Critical Issues in Human Inquiry; Oral Communication; Contemporary Composition.

**ENG 484. Special Literary Topics. 3 credits. OD**

A consideration of certain historical, aesthetic, and/or philosophical themes or ideas that cut across or fall outside the categories covered in Senior Seminars I-IV. P. Contemporary Composition course; ENG major or minor; and Sr. stdg.

**ENG 489. American Prisons: Punish or Reform. 3 credits.**

An examination of the philosophy of our social justice system and how members of the community can contribute to positive changes in the way inmates are regarded and treated. In a variety of prose writing projects, students will be expected to articulate their sense of how incarceration, punishment, and reform interrelate. Students will write about how their assumptions regarding prison and the inmates match the philosophy behind the way criminals are sentenced and the way they spend their time behind bars. P. Contemporary Composition course, Critical Issues in Human Inquiry, and Oral Communication.

**ENG 493. Directed Independent Readings. 1-3 credits. FA, SP, SU**

May be repeated for credit to a limit of six hours. P. Contemporary Composition course and IC.

**ENG 494. Directed Independent Research. 0-3 credits.**

May be repeated for credit to a limit of six hours. Prereq: Contemporary Composition, Critical Issues in Human Inquiry, and Instructor Consent.

**ENG 499. Senior Project. 3 credits.**

This course is designed for senior English majors to provide a capstone for work in the major and specialization (if any). Students will work on their own project - a senior thesis or creative writing project, as appropriate to the student's individual course of study. The project will be directed by a faculty supervisor. Along with the final project, students will also submit a reflective essay examining how their project serves as a culmination to their course of study within the major. P. Contemporary Composition course; Oral Communication course; Senior standing; ENG major; or Instructor Consent.

**EVS 123. Science for a Changing Planet: An Introduction to Earth Systems. 3 credits. (Same as PHY 123)**

Introduction to the study of the earth system science for science and non-science majors. Topics include: the earth as a system, the geosphere, the hydrosphere, the atmosphere, the biosphere and the anthroposphere. This course explores the interactions between the earth systems, including how anthropologic processes modify the Earth's environment. P. Understanding Natural Science. CO: EVS 124.

**EVS 124. Earth System Science Laboratory. 1 credit. (Same as PHY 124)**

Laboratory work to acquaint the student with data collection, and analysis, and earth system topics such as the earth as a system, the geosphere, the hydrosphere, the atmosphere, the biosphere and the anthroposphere. Appropriate for science and non-science majors. P. Understanding Natural Science; CO: EVS 123.

**EVS 201. Introduction to Environmental Science. 3 credits. SP (Magis Core: Understanding Natural Science)**

This course presents a scientific approach to the study of the environment and stresses the application of ecological concepts within a systems perspective. Topics include ecology, sustainability, populations, biodiversity, biogeochemistry, ecosystems, climate change, resources, agriculture, pollution and urban ecology. The course is an introductory course for EVS majors as well as an overview for students majoring in other areas. Satisfies Magis Core: Understanding Natural Science.

**EVS 301. Social and Cultural Theory. 3 credits.**

An exploration of the ideas central to sociology and anthropology from the perspective of their historical and contemporary theories. Special attention is given to the implications of these ideas for understanding human social values. P. So. stdg.

**EVS 307. Demography: World Population Issues. 3 credits. ENY, SP (Same as ANT 307, SOC 307)**

This course will provide a sociological examination of the development and evolution of different models of population dynamics from several contemporary cultures. It will place particular emphasis on the assumptions and logical consequences of each of these models. Includes a survey of historical and contemporary trends in population growth, as well as a review of competing perspectives about natural limits to that growth. P. So. stdg.

**EVS 311. Biostatistics. 4 credits. (Same as BIO 311)**

Introduction to statistical methods, data display, and experimental design as applied to biological studies. Data analysis is conducted using open-source statistical software. Does not count as a Biology laboratory course. P. BIO 201, BIO 202, BIO 205, and BIO 206; Mathematical Reasoning.

**EVS 315. Foundations of Ecology & Evolution. 3 credits. (Same as BIO 315)**

Introduces the ecological principles governing interactions between organisms and their environment and the change of populations and species over time in the process of evolution. This is the cornerstone, population-focused course in the biology major. P. BIO 201; BIO 202; or Instructor's consent.

**EVS 333. Environmental Politics And Policy. 3 credits. FA (Same as PLS 333)**

An overview of the world's environmental problems from a political perspective. Focuses on the political dynamics that shape environmental policy making. P. So. stdg.

**EVS 335. Zoology. 4 credits. FA (Same as BIO 335; Designated Statistical Reasoning course)**

Lecture and laboratory study of concepts and principles exemplified by both invertebrates and vertebrates with emphasis on animal diversity, morphology, evolution, and ecological relationships. This course is both lecture and lab. 3R, 3L. P. BIO 201, BIO 202, BIO 205, and BIO 206; Mathematical Reasoning.

**EVS 341. Botany. 4 credits. FA (Same as BIO 341; Designated Statistical Reasoning)**

Lecture and laboratory study of concepts and principles exemplified by the plant kingdom with emphasis on plant anatomy, development and growth, physiology, and evolution. P. BIO 201 and BIO 202; Mathematical Reasoning.

**EVS 353. Environmental Economics. 3 credits. SP (Same as ECO 353)**

The application of economic analysis to environmental issues. Emphasis on global environmental problems and policies and environmental problems and policies that are common to all nations. This course is not open to students registered in the Heider College of Business. P. Jr. stdg.

**EVS 354. Environmental Ethics. 3 credits. OD (Same as PHL 354)**

Critical study of the anthropocentrism-nonanthropocentrism debate and the individualism-holism debate and how they affect each other in the context of the determination of ecological value. If anthropocentrism is in some ways defective, what implications do these defects have for our moral obligations to animals, plants, waters, soil, future generations, species, ecosystems, and the planet? Satisfies Magis Core Designated Ethics. P. Philosophical Ideas course, Ethics course.

**EVS 371. Animal Behavior. 3 credits. FA, SU (Same as BIO 371)**

Evolutionary aspects of animal behavior, including physical and physiological bases of behavior, social behavior, behavioral ecology and genetics of behavior. 3R. P. BIO 201, BIO 202, BIO 205 and BIO 206.

**EVS 372. Animal Behavior Laboratory. 2 credits. SP (Same as BIO 372)**

Introduction to animal behavior research methods using structured observations and experiments in laboratory and field settings. P. Mathematical Reasoning course. P or CO: EVS 371 or BIO 371.

**EVS 374. Management Of Environmental Risk. 3 credits. OD (Same as MGT 374)**

Examination of environmental issues relevant to management decision making. Emphasis on risk analysis related to global/regional and workplace environmental issues. P. Jr. stdg.

**EVS 383. Vertebrate Natural History. 3 credits. SP (Same as BIO 383)**

Lecture series designed to provide students with a modern overview of vertebrate diversity. Lectures encompass ancestry, major adaptive shifts between classes of vertebrates, geographic distribution based on physiological limits, specialized feeding and locomotor modes, courtship patterns, reproductive strategies, and conservation issues. P. BIO 201, BIO 202, BIO 205, and BIO 206.

**EVS 384. Vertebrate Natural History Laboratory. 1 credit. SP (Same as BIO 384)**

Laboratory exercises that will provide experience in the following areas: dissection of representatives of each major vertebrate class with emphasis on the diagnostic differences between groups; identification and preservation of vertebrate specimens. Field trips are available on a limited basis. 3L. P. BIO 201, BIO 202, BIO 205, and BIO 206.

**EVS 396. Food for Thought: Sustainability, Food, and Communication. 3 credits. (Same as COM 396)**

This course explores communication about food and sustainability, focusing on subtopics such as food justice, agriculture, food waste, media representations, cultural identity, and eating meat. As is appropriate for understanding contemporary food systems and practices, the course takes an international approach, examining foodways from around the world. Additionally, the course draws from a variety of disciplines including communication studies, business and marketing, psychology, sociolinguistics, and sustainability studies. Satisfies Magis Core: Doing Social Science. P. Understanding Social Science Course.

**EVS 415. Evolution. 3 credits. SP (Same as BIO 415)**

A comprehensive introduction to the fundamental paradigm of modern Biology. Topics include the origin and history of life; historical development of evolutionary theory; genetic basis of evolution; evolutionary mechanisms; organismal diversity, speciation and phylogenetic methods of analysis; evolutionary aspects of biological subdisciplines; and selected special topics. P. BIO 201, BIO 202.



**EVS 420. Environment & Society: Sociological Perspectives. 3 credits. (Same as ANT 420, SOC 420)**

Human societies interact with the natural environments in which they are embedded. An examination of the driving economic, political, cultural, and demographic forces that cause human modification of the natural world, the resulting social and environmental problems and public controversies. A focus on movements and policies related to environmental issues, and the prospects for the emergence of more environmentally "sustainable" societies. Prereq: Critical Issues in Human Inquiry; Senior standing.

**EVS 424. Sustainability Across the Rural Americas. 3 credits. SP, SU (Same as ANT 424, SOC 424)**

This interdisciplinary course studies sustainability and the diverse cultures of rural American peoples by looking at topics such as ethics, environmental resources, economic strategies, public policy and social inequality. This course offers off-campus field observation and ethical reflection assignments and involves students in active collaborative problem-solving research.

**EVS 430. Violent Environments and Sustainability. 3 credits. (Same as ANT 430, JPS 430, SOC 430)**

This course examines environmental violence and sustainability from an interdisciplinary perspective. Using ethnographic cases, we will consider environmental struggles for justice in relation to war, displacement, and political violence. Students will analyze how people resist and transform violence and explore concrete strategies for building a more just and sustainable world. Prereq: Critical Issues in Human Inquiry.

**EVS 439. Parasitology. 0-4 credits.**

Lecture and laboratory study of protozoan, helminth, and arthropod parasites with emphasis on their morphology, taxonomy, life histories, and host/parasite relationships. Includes parasites of medical and ecological importance. P. Any 300 or higher level BIO course, Mathematical Reasoning course, Ethics course.

**EVS 443. Environmental Geology. 4 credits. AY, FA**

An introduction to physical geology designed for environmental science majors. Topics include an examination of rock types, evolution and geological times, soil development and processes, earthquakes and global tectonics. In-class laboratories will be devoted to identification of rock types, soil analysis, and determination of fossil types. P. So. stdg. or IC.

**EVS 449. Animal Physiology. 3 credits.**

A study of the functions of animals from the cellular to the organ-systems level with emphasis on vertebrate systems physiology. 3R, 3L. P. BIO 202/BIO 206 and BIO 201/BIO 205; Jr. stdg.

**EVS 452. Microbiology. 3 credits. (Same as BIO 452)**

Microbiology is designed to provide an overview of the structure, metabolism, physiology, ecology, and interactions of prokaryotic and eukaryotic microorganisms. Among the organisms and acellular entities to be considered are bacteria, archaea, fungi, protists, helminths, and viruses. Most of these organisms are too small to be seen with the human eye and so are studied through a combination of microscopic, growth, and molecular techniques. While some microorganisms are pathogenic and cause important diseases of humans, animals, and plants, most are not. Rather, many microbes play a positive role in the cycling of carbon, nitrogen, and other nutrients within the global ecosystem and have beneficial effects on the other living organisms with which they are associated. P. Two of the following: BIO 317, BIO 362, CHM 371, CHM 383 or IC.

**EVS 453. Microbiology Lab. 1 credit.**

Microbiology is the study of organisms too small to be seen with the naked eye. Despite their small size, these organisms are ubiquitous and play important roles in human health, industry, and the functioning of ecosystems. This course is designed to cover a wide range of material in laboratory exercises, introducing students to a breadth of microbial diversity and physiology, as well as the basic techniques used in microbiology. P. Mathematical Reasoning; P or CO: BIO 452.

**EVS 454. Environmental Philosophy. 3 credits. (Same as PHL 454)**

Examination of a variety of theoretical approaches to philosophical issues concerning individual organisms, species, ecosystems, and the biosphere. Aesthetic, axiological, epistemological, and ontological issues may be addressed. P. Philosophical Ideas course.

**EVS 455. Food, Society and Environment. 3 credits. SP (Same as ANT 455, SOC 455)**

Access to food is a universal basic human need. This course considers the social and cultural significance of food, the ecological implications of producing it, the social justice issues that surround its distribution, and how the food system relates to public health from several disciplinary perspectives. Satisfies Magis: Doing Social Science and Designated Oral Communications. P. Oral Communication, Understanding Social Science.

**EVS 459. Environmental Communication. 3 credits. (Same as COM 459)**

Our communication about the natural world both interprets and defines it. We experience and understand the natural world through communication, through different channels, and through discourses that have evolved over time. This course interrogates this communication as well as the underlying assumptions that ground such communication. In doing so, we will evaluate the social construction of the environment and environmental issues through media and other communication processes. This will allow us an opportunity to recognize how dominant discourses shape individual and societal choices. Satisfies Magis Core Doing Social Science, Designated Written Communication course. P. Understanding Social Science; Contemporary Composition.

**EVS 461. Entomology. 4 credits. FA (Same as BIO 461)**

Lecture and laboratory study of insect biology with emphasis on the major insect groups. Anatomy, physiology, and behavior of insects and their ecological, agricultural, and medical importance. This course includes both lecture and lab. 3R, 3L. P. BIO 201, BIO 202, BIO 205, and BIO 206.

**EVS 470. Making Maps that Matter: Introduction to Geographic Information Systems. 4 credits. (Same as AMS/ANT/CRJ/SOC 470)**

Geographic Information Systems-or GIS-refers to the technology used to store, edit, analyze, and present geographic data. This course will introduce students to both the technical and conceptual sides of making maps that matter. Weekly labs will teach the technical skills necessary for using geographic data to create maps. In addition to the technical skills, students will lead weekly book club and "mappy hour" discussions that will foster critical thinking about how GIS and maps are used in society. These readings will emphasize the importance of place and space to a range of contemporary social and environmental issues including poverty, pollution, crime, and racial injustice. Students will apply what they've learned in a semester-long mapping project to raise awareness about a social or environmental problem in a place of their choosing.

**EVS 471. Conservation Biology. 3 credits.**

Introduction to the science of biodiversity preservation. Relevant principles of ecology, population genetics, and behavioral biology; aspects of biodiversity, threats to biodiversity and strategies for limiting them; protected area design and management; ecological economics, environmental ethics, sustainable development, and the interplay between human needs and biodiversity preservation. P. BIO 201, 202, 205, 206, or IC.

**EVS 476. National Parks - Created through Communication. 3 credits. (Same as COM 476)**

This course will focus on how environmental communication impacts our experiences in national parks and has consequences for US national identity. This course will investigate how communication about national parks reveals historical tensions and power struggles. Additionally, it will give students a chance to study communication within national parks in situ so that they will better understand how communication in these setting operates. Satisfies Magis Intersections course. P. Critical Issues in Human Inquiry; Senior standing.

**EVS 480. Internship In Environmental Sciences. 1-3 credits. FA, SP, SU**

An internship designed for students interested in working in an environmental setting in the public or private sector. Students may register for three hours credit for 60 hours of work. Before registering for the internship, students should consult with the director of the EVS program. The internship may be taken for a maximum of six hours. Credit does not count toward a specialization area of the Environmental Science degree. P. DC.

**EVS 481. Terrestrial Ecology. 4 credits. FA (Same as BIO 481)**

Introduction to the interactions of organisms and the environment, especially the biology of populations, communities, and ecosystems. Individual adaptations, the nature of the environment, population dynamics, and community organization are stressed. Laboratory exercises include field trips to terrestrial habitats. 3R, 3L. P. BIO 201, BIO 202, BIO 205 and BIO 206; Mathematical Reasoning.

**EVS 483. History of Environmental Inequalities. 3 credits. (Same as BIO 483)**

This course explores the connections between environmental change and human inequality from the early modern period until today. It reaches across local and global scales, drawing on local case studies to emphasize global historical themes such as the roles of colonialism, segregation, and economic vulnerability. This service-learning course will introduce students to a variety of theoretical tools to understand environmental justice and explore their implications on the ground. Student will use these tools and experiences to better interrogate their own social and environmental position. P. Critical Issues in Human Inquiry course; senior standing.

**EVS 485. Aquatic Ecology. 3 credits. SP (Same as BIO 485)**

An introduction to the community structure, biological production, and physical and chemical properties of aquatic ecosystems. The major features of water columns, benthic substrates, and lotic zones will be reviewed and compared. P. BIO 201, BIO 202, BIO 205 and BIO 206.

**EVS 486. Freshwater Ecology Laboratory. 2 credits. SP (Same as BIO 486)**

Introduction to methods for analyzing lake, stream, and wetland habitats. Exercises will examine physical and chemical properties, biological production and food chains, and water quality of freshwater ecosystems. P or CO: EVS 485.

**EVS 487. Marine Ecology Laboratory. 2 credits. SP (Same as BIO 487)**

Direct observation of marine coastal habitats (reefs, sea grass beds, mangrove forests, rocky intertidal zones, and offshore waters) at Roatan Island, Honduras. Exercises in the field and campus laboratory sessions will examine physical and chemical properties; marine organisms and community structure and productivity of marine ecosystems. CO: EVS 485 or IC; P. BIO 201/BIO 205 and BIO 202/BIO 206.

**EVS 488. Global Environmental History. 3 credits. (Same as HIS 488)**

What has been humanity's role in changing the face of the earth? What part has the environment played in shaping human history? These questions drive the study of environmental history. They also frame ongoing academic and political discussions about the consequences of human interactions with the natural environment -issues that have recently achieved public attention in the context of the "Anthropocene" debate. Have humans become a force of geological significance? This course surveys the history of humanity's ever-changing relationship with nature, from fire-wielding hunter-gatherers to modern consumer society. It focuses on four potential "golden spikes" that may mark the beginning of the Anthropocene as a framework for understanding global environmental history. This course emphasizes new global perspectives on environmental history and focuses on themes such as agro-ecology, invasion, sustainability, energy, urbanization, and empire. It will also introduce students to the diverse methods of investigating our environmental past including documentary and material sources, natural archives, and geospatial analysis. Satisfies Magis Designated Oral Communication; Designated Written Communications; Magis Intersections. P. Critical Issues in Human Inquiry; Contemporary Composition; Oral Communication; Ethics; Senior standing.

**EVS 490. Senior Seminar: Discussion. 1 credit.**

The Senior Seminar: Discussion is required of all EVS and SUS students as the first of two capstone courses. The course provides an opportunity for students to interact with natural and social scientists as well as others engaged in environmental research, policy, and practice. Students will learn about the fields of interest of peers and hear from others working in environment-related fields.

**EVS 491. Senior Seminar. 2 credits. FA, SP (Same as SUS 491)**

This course is the capstone course required for all Environmental Science and Sustainability majors. Each student will design and deliver a professional presentation on an environmental topic agreed upon by the student and faculty seminar coordinator(s). If time allows, seminars may also be given by invited, outside speakers. The course provides an opportunity for students to interact with natural and social scientists as well as others engaged in environmental research, policy, and practice. Students will learn about the fields of interest of peers and hear from others working in environment-related fields. P. Oral Communication.

**EVS 493. Directed Independent Readings. 0-3 credits. FA, SP, SU**

Assigned readings in the student's area of interest. Course is only an addition to and not a substitution for any portion of the major requirement. May be repeated to a limit of six hours. P. Jr. stdg.; IC.

**EVS 495. Directed Independent Study. 0-3 credits. FA, SP, SU**

A program of independent study with emphasis on activities other than laboratory or field research. (Examples include library research or special course attendance). Course is only an addition to and not a substitution for any portion of the major requirement. May be repeated to a limit of six hours. P. Jr. stdg.; IC.

**EVS 497. Directed Independent Research. 0-3 credits. FA, SP, SU**

A program of independent study with emphasis on laboratory or field research. Course is only an addition to and not a substitution for any portion of the major requirement. May be repeated to a limit of six hours. P. Jr. stdg.; IC.

**EVS 506. Environmental Chemistry and Natural Resources. 3 credits. OD (Same as CHM 506)**

The nature, identification, and quantitative determination of air and water pollutants. Study of natural resources and energy production. Topics covered include the atmosphere, ozone, the troposphere, natural water, acid rain, drinking water, metals, organochlorine compounds and waste management. P. CHM 205.

**EVS 533. Physical Climatology and Climate Change. 3 credits. FA (Same as ATS 533)**

This course stresses the theories and models of natural climate change and of that induced by human beings. The ethical issues of inadvertent and planned change of climate by humans will be raised. Major topics include effects of CO<sub>2</sub> warming (greenhouse effect), ozone depletion; human-induced desertification; acid rain; urban microclimates. Methods of monitoring these systems will be stressed relative to an increased world-wide need to limit or prevent human-induced climate changes.

**EVS 539. Ecology of Zoonotic Diseases. 3 credits. (Same as BIO 539)**

Over the past few decades there has been a resurgence of zoonotic diseases such as SARS and Avian Influenza. Why do zoonotic diseases emerge, and what factors lead to epidemics? This course will address these questions, and apply an ecological approach to an understanding of epidemiology in human, livestock, and wildlife populations. P. One of the following: BIO 432 or BIO 481; Contemporary Composition; Oral Communication; Senior standing or IC.

**EVS 541. Special Topics in Plant Biology. 3 credits. (Same as BIO 541)**

This course focuses on historical and current questions in plant biology. Students will explore the evolution, function, and development of plants from the genetic, cellular, and organismal perspective. Specific topics may include hormone function, plant responses to stimuli, the evolution of plant structures, and plant reproductive strategies. 3R. P. BIO 201, BIO 202, BIO 205 and BIO 206; Contemporary Composition; Oral Communication; Senior standing or IC.

**EVS 545. Plant Diversity and Evolution. 4 credits. (Same as BIO 545)**

Lecture and laboratory of the diversity, morphology, and evolution of fossil and living plants. Topics emphasized include the origin of land plants, plant life cycles, evolution of the vascular cylinder, leaf, seed and flower, and the origin of flowering plants. P. BIO 201, BIO 202, BIO 205, and BIO 206; Contemporary Composition; Oral Communication; Senior standing or IC.

**EVS 549. Environmental Physiology. 3 credits. FA (Same as BIO 549)**

Impact of environmental changes and environmental extremes on animals and their physiological mechanisms. Examines primarily vertebrates and their responses to variations in temperature, pressure, and salinity. Basic physiological principles associated with each adaptive response covered in lecture and reading assignments. P. EVS 335/BIO 335, BIO 383, BIO 433 or BIO 449.

**EVS 580. Current Topics in Ecology. 3 credits. (Same as BIO 580)**

The focus of this course will be advanced topics in ecology, with an emphasis on the concepts and current approaches in ecosystem ecology. Primary literature will serve as a key resource for students. The structure and function of several model ecosystems will be explored in detail, with particular attention to the concepts of biodiversity, productivity, decomposition and nutrient cycling. In addition, the degree of human alteration of ecosystem structure and function as well as consequences for global ecological processes will be presented. P. BIO 481, BIO 485 or EVS 481, EVS 485; Contemporary Composition; Oral Communication.

**EVS 581. Evolution. 4 credits. FA, SU (Same as BIO 581)**

Lectures and discussion designed to provide junior and senior students with a broad understanding of the science of evolutionary biology. Organized in three parts, each takes a chronological approach: (A) evolutionary theory, (B) mechanisms of evolution, (C) the implications and consequences of theory and mechanism; and as part of both the lecture and laboratory experience in (C, above) topics in evolutionary medicine will be covered. Laboratory sessions include computer modeling exercises to illustrate the mechanisms of evolutionary changes, an excellent film series, discussion opportunities designated to explore in more depth questions and topics associated with speciation, biodiversity and human evolution as well as a review session prior to each exam. 3R, 3L. P. One upper-division BIO course or Jr. stdg.

**EXS 111. Fundamentals of Human Anatomy. 4 credits. FA, SP, SU**

A general survey course to provide nursing and other pre-professional students with a basic knowledge of human anatomy. Lecture topics range from anatomical terminology to comprehensive overviews of the individual organ systems, including aspects of gross anatomy, histology, and neuroanatomy. 4R. P. Nursing major or Instructor Consent.

**EXS 112. Fundamentals of Human Physiology. 4 credits. FA, SP, SU**

This is a general survey course to provide nursing and other pre-health professional students with a basic knowledge of the function of the human body. Essential principles of human physiology are presented including basic chemistry, cell and tissue studies, and a general overview of the body systems. Satisfies Magis Core: Understanding Natural Science. P. Mathematical Reasoning.

**EXS 125. First Aid. 2 credits. FA, OD, SP**

American Red Cross First Aid and CPR/AED Professional Rescuers and Healthcare Certifications may be earned. Emphasis on recognizing an emergency and providing care until professional medical help arrives. Students should expect to pay an additional fee for first aid supplies and Red Cross Certification fee.

**EXS 142. Weight Training and Program Design. 1 credit. FA, SP**

Applied principles, techniques and participation in weight training activity for healthy populations. Lecture topics include explanations of the major muscle groups, safety issues, proper lift technique, and introduction to basic program design for improving muscular strength, hypertrophy, muscular endurance, and flexibility.

**EXS 144. Aerobic Conditioning and Group Fitness. 2 credits. FA, SP**

An introduction to fitness concepts and basic program design to promote cardiovascular fitness, flexibility, and muscular endurance for life through a variety of group exercise programs. Includes participation and instruction in high and low impact aerobic training, kickboxing, circuit and interval training, and other popular methods of group fitness training. Students lead a fitness class as part of course requirements.

**EXS 150. Beginning Pickleball. 1 credit. FA, SP**

This course introduces students to instructional techniques, analysis, demonstration, and practice in the basic skills of pickleball. Students will also learn the rules of the game, scoring, selection and care of equipment, and basis court strategy.

**EXS 151. Beginning Tennis. 1 credit. FA, SP**

Instructional techniques, analysis, demonstration, and practice in the basic skills of tennis. Includes rules, selection and care of equipment, strategy on the court.

**EXS 152. Intermediate Tennis. 1 credit. OD**

Instructional techniques, analysis, demonstration, and practice in the intermediate skills of tennis. Some advanced strategies and skills. P. EXS 151 or IC.

**EXS 161. Life Skills for Student Athletes. 1 credit. FA, SP**

This course is designed to educate NCAA Division I student-athletes in the dynamics of intercollegiate athletics through participation in all aspects of their respective sport, including conditioning, team drills and activities, academic enrichment, community service, and life skills training. Graded Satisfactory/Unsatisfactory. Can be taken for up to a maximum of 4 credits.

**EXS 190. Introduction to Jiu-Jitsu. 2 credits. FA, OD, SP**

Students will be instructed in Jiu-Jitsu techniques that can be utilized for both sport and self-defense. The course incorporates both offensive and defensive movements with a focus on control and position. This is an introductory course with emphasis placed upon skill development and not direct physical contact itself. The class is appropriate for individuals with no prior Jiu-Jitsu or martial arts experience.

**EXS 195. Introduction To Athletic Training. 3 credits. FA, SP**

Cognitive and practical experiences designed to introduce basic athletic training principles and skills to students entering the field of sports medicine and other health care careers.

**EXS 240. Foundations of Fitness and Wellness. 3 credits. FA, SP**

This course provides an overview of exercise physiology, nutrition, biomechanics, sociocultural aspects of sport and exercise and other related topics, including career opportunities related to Exercise Science. Students are also introduced to fitness and wellness related concepts, activities, and skills necessary to evaluate personal fitness and develop a lifelong fitness program. Includes two lectures and two laboratories per week.

**EXS 305. Therapeutic Modalities. 3 credits. OD**

Introduces physiological principles, concepts, and operational procedures of therapeutic modalities such as cryotherapy, hydrotherapy, and mechanical therapy as they relate to the care and treatment of injuries. P. EXS 320, EXS 331 or Instructor consent.

**EXS 306. Therapeutic Exercise. 3 credits. OD**

The purpose of this course is to introduce students to the basic principles of rehabilitation and specific therapeutic exercise techniques as they relate to the care of the physically active. Special emphasis will be placed upon the practical use of these principles and techniques in laboratory settings and in the collegiate athletic training room setting in conjunction with practical experience. P. EXS 331.

**EXS 310. Practicum in Exercise Science. 1 credit. FA, SP**

Provides students with opportunities to enhance professional growth as laboratory teaching assistants or through practical work experience in areas such as athletic training, fitness testing, personal training, strength and conditioning, and wellness programming with professionals affiliated with Creighton University. May be repeated three times. P. EXS major, Jr. stdg. and IC.

**EXS 320. Human Physiology. 0-4 credits. FA, SP, SU**

An undergraduate human physiology course providing detailed coverage on the normal function of the human organ systems, while also incorporating discussion on physiological changes during physical activity and certain diseases. Information is presented from the cellular level to the entire organism. Lecture, Lab course. P. Understanding Natural Science; BIO 201/BIO 205, BIO 202/BIO 206, CHM 203/CHM 204 and CHM 205/CHM 206; EXP major, EXS major, or IC.

**EXS 331. Human Anatomy. 0-4 credits. FA, SP, SU**

Provides students with a basic knowledge of the structure and function of the human body. Lecture topics range from anatomical terminology to comprehensive overviews of the individual systems. Dissected cadaver specimens and anatomical models are used as learning aids. Lecture/Lab course. P. Grade of C or better in BIO 201, BIO 202, BIO, 205, BIO 206, CHM 203, CHM 204, CHM 205, and CHM 206; EXP major, or IC.

**EXS 334. Biomechanics. 4 credits. FA, SP**

Introduction to the biomechanics of human movement. Study of the musculo-skeletal system with special emphasis on the application of physical laws and principles that govern movement of the body. Lecture/Lab course. P. EXS 331, EXS major, or IC.

**EXS 335. Exercise Physiology. 0-4 credits. FA, SP**

Study of the major physiological systems in the body and their response to acute and chronic exercise. Students will be introduced to laboratory techniques to assess body composition anaerobic power and cardiovascular fitness. P. BIO 202/BIO 206 or BIO 201/BIO 205; CHM 203/CHM 204 or CHM 205/CHM 206, EXS 240 and EXS 320 or IC; EXS major.

**EXS 336. Motor Behavior. 3 credits.**

This course will introduce student to principles that influence the ability to learn, plan, execute, and adapt motor skills. The application of motor control theories, attention and perception, practice structures, speed-accuracy tradeoffs, and retention and transfer of learned skills in both healthy and pathological populations will be discussed, P. EXS 331, PSY 201 recommended, EXP major, or IC.

**EXS 360. Lifecycle Nutrition. 3 credits.**

This course focuses on nutritional needs across different stages of life including infancy, childhood, adolescence, adulthood, pregnancy, and older adulthood, and examines how lifestyle, demographics, and physiological changes at each stage impact dietary requirements and potential health concerns related to nutrition. P. BIO 202 and BIO 206; (CHM 112 and CHM 113) or (CHM 202 or CHM 203 and CHM 204); EXP major, or IC.

**EXS 391. Career Preparation and Professionalism. 3 credits. FA, SP**

In this course students develop techniques and strategies for identifying professional fields of interest, assessing marketable skills, building a personal brand, setting goals, and developing a network of contacts, writing resumes, cover letter, and other means of communication used in the search process for employment or admission into advanced programs of study. Students deliver oral presentations and participate in professional interviews with the goal of achieving their career objectives. Magis designated Oral Communication course. P. Oral Communications; EXS major; Junior or Senior standing.

**EXS 395. Lower Body Evaluation. 3 credits. OD**

The study of the evaluation, assessment, and recognition of injuries involving the lower body. Uses knowledge of regional anatomy to assist with learning specific evaluation techniques. P. EXS 331.



**EXS 396. Upper Body Evaluation. 3 credits. OD**

The study of the evaluation, assessment and recognition of injuries involving the upper body. Uses knowledge of regional anatomy to assist with learning specific evaluation techniques. P. EXS 331.

**EXS 401. Exercise Prescription. 3 credits. FA, SP**

Case studies, preliminary health screening, risk stratification, fitness evaluations, and the design of exercise prescriptions for both general and special populations. Lecture topics include acute and chronic physiological responses to exercise, cardiorespiratory responses, resistance training, weight management, coronary heart disease and an introduction to metabolic equations and caloric expenditure. P. EXS 331, EXS 335; EXS Major or IC.

**EXS 407. Basic Statistics and Research Design. 3 credits. FA, SP**

Designed to develop skills to read and interpret research reports effectively. Principles of experimental research design utilized in exercise science will be discussed. General statistical concepts will be introduced, including central tendency, variance, correlation, regression, and means comparison. Students will develop a research proposal and presentation based on a topic in exercise science or related field. Satisfies Magis Core Doing Social Science, Designated Ethics, Oral Communication, and Statistical Reasoning course. P. Understanding Social Science; Ethics; Mathematical Reasoning; Oral Communication; Soph Stgd, EXP majors; or IC.

**EXS 420. Essentials of Strength and Conditioning. 3 credits. SP**

Theory and practice of designing and administering strength training and conditioning programs for athletes and non-athletes, including special populations. Course content from exercise physiology, anatomy, biomechanics, nutrition and exercise prescription is used in the formulation of programs; instruction of strength training exercises is provided. P. EXS 240, EXS 331, EXS 335, EXP major or IC.

**EXS 450. Nutrition for Health and Sports Performance. 3 credits. FA, SP, SU**

Considerable information is provided regarding the six classes of nutrients. Lectures focus on applying knowledge in nutrition into a framework upon which performance and conditioning strategies can be based or from which recommendations can be made for health enhancement. Satisfies Magis Designated Oral Communication, Designated Technology, and Designated Written Communication. P. Contemporary Composition; Oral Communication; EXS 335, EXS 407, EXP major or IC.

**EXS 489. Laboratory Methods and Procedures. 0-4 credits. FA, SP**

Course designed to develop practical skills and knowledge in laboratory technique, procedures, protocols and exercise prescription in the areas of cardiorespiratory fitness, body composition, muscular fitness, flexibility and basic EKG interpretation. Additional laboratory testing will be required outside of regular class time. Lecture/Lab course. P or CO: EXS 401, EXP major or IC, and current CPR/AED certification.

**EXS 492. Exercise Science Internship. 1-4 credits. FA, SP, SU**

All EXS majors must complete 2 credit hours of internship to meet graduation requirements. The internship is an apprenticeship experience that provides students an opportunity to apply their knowledge and skills obtained in the classroom to a professional environment and receive on-site training in a career of their choice. One credit of internship corresponds to 50 hours of internship site experience. The department internship coordinator assists in identifying and securing an appropriate internship site and with all necessary paperwork and documentation. May be repeated to a limit of 4 credits. P. EXS 391 and IC.

**EXS 493. Directed Independent Readings. 1-4 credits. OD**

This course provides an opportunity to participate in independent readings or literature review in Exercise Science as directed by a faculty mentor. May be repeated to a limit of four credits. P. Jr. stdg.; EXP Major; IC.

**EXS 495. Directed Independent Study. 1-4 credits. OD**

In depth study of special topics pursued independently or in small groups under the direction of a faculty mentor. May be repeated to a limit of four credits. P. Jr. stdg.; EXP major; IC.

**EXS 497. Directed Independent Research. 0-4 credits. FA, OD, SP**

Designed to provide students with the knowledge and skills necessary for conducting research in Exercise Science including review of literature, study design, subject recruitment, data collection, statistical analysis, and manuscript and/or poster presentation. Students may be required to complete university training in research ethics and education, and HIPAA requirements. May be repeated to a limit of 4 credits. P. Jr. stdg; EXS Major; or IC.

**EXS 534. Neuromechanics of Human Movement. 3 credits. FA, SP**

This course integrates neurophysiology, physics, and biomechanics to explore how the nervous systems controls the actions of skeletal muscles to produce human movement. P. PHY 201, PHY 205, EXS 331; or IC.

**EXS 535. Applied Immunology. 3 credits. FA**

An integrative approach toward understanding how immune function is altered in response to exercise and other stressors. The course will examine the fundamental principles of immunology from an applied, or human perspective. The current literature will serve as source material for study and discussion. P. BIO 202/206 and either EXS 320 or BIO 449 or IC.

**FPA 101. Scheerer Scholars in the Arts Seminar. 0 credits.**

The Scheerer Scholars represent a commitment to the arts as a vehicle for empowerment and social justice. Through research methods and studio art practice these scholars will incite civic partnerships, activism and scholarly research. Enrolled students are selected through an application process. Graded Satisfactory/Unsatisfactory.

**FPA 358. Business of the Arts. 3 credits.**

Business of the Arts will explore the business and administrative models, theories, and practices that are used by individual artists and cultural organizations. Students will learn a framework to analyze artistic programs, define successful outcomes, and explore methods for community engagement. The goal is to provide students with skills to connect artistic endeavors with the broader community and effectively communicate the impact and importance of the arts. P. One Mathematical Reasoning course.

**FRN 109. Beginning French for Daily Life I: Online Lab. 1 credit.**

The online lab accompanies Beginning French for Daily Life I, which focuses on acquiring essential elements for basic communication and developing practical language skills. In this co-requisite course, students apply their emerging language skills by completing online reading, writing, listening, grammatical, and cultural activities to accompany classroom content. Note: This course is graded Satisfactory/Unsatisfactory. CO: FRN 111.

**FRN 110. Beginning French for Daily Life II: Online Lab. 1 credit.**

The online lab accompanies Beginning French for Daily Life II, which focuses on acquiring essential elements for basic communication and developing practical language skills. In this co-requisite course, students apply their emerging language skills by completing online reading, writing, listening, grammatical, and cultural activities to accompany classroom content. NOTE: This course is graded Satisfactory/Unsatisfactory. P: FRN 109 or placement; CO: FRN 112.

**FRN 111. Beginning French for Daily Life I. 3 credits.**

This course introduces students to the language by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as providing a broader awareness of and appreciation for the cultures of the countries where French is spoken. CO: FRN 109.

**FRN 112. Beginning French for Daily Life II. 3 credits.**

This course continues to develop the language-learning process by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as providing a broader awareness of and appreciation for the cultures of the countries where French is spoken. P: FRN 111 or placement; CO: FRN 110.

**FRN 170. Pardon My French! Colonialism, Imperialism, and the Francophone World. 3 credits.**

This course introduces students to cultural issues that have defined the French-speaking world, utilizing the lens of colonialism and imperialism. We will discuss important political, linguistic, artistic, and literary topics across Francophone communities, with the goal of challenging our understanding of the worldwide influence of French language and culture. Magis Core: Critical Issues in Human Inquiry. CO: COM 101.

**FRN 225. Intermediate French. 3 credits.**

This course is designed to help students make the transition to natural communication and develop the language-learning process by focusing on the expansion of necessary elements for development of the practical language skills (listening, speaking, reading, and writing) by using cultural and literary readings as well as grammatical exercises. It also provides a broader awareness of and appreciation for the cultures of the countries where French is spoken. P: FRN 112 or equivalent.

**FRN 230. Lost in Translation: Colonialism, Imperialism, Legacy, and the Francophone World. 3 credits.**

This course draws upon the human experience of the Francophone world through its literature. Special attention will be given to how these experiences are contextualized by colonialism, imperialism, and its legacy. Additional themes may include: racism, nationalism, religion, and/or economic dependency. This course is taught in English. P: Critical Issues in Human Inquiry course; Magis Communication course.

**FRN 311. Advanced French I. 3 credits. FA**

Development of refined accurate expression in speaking and writing French. P: FRN 225 or equivalent.

**FRN 312. Advanced French II. 3 credits. SP**

Development of refined accurate expression in speaking and writing French. P: FRN 225 or equivalent.

**FRN 314. Business French Communication. 3 credits.**

Course focuses on the study of the language and the cultural context specific to business communication in French. P: FRN 311 or FRN 312 or IC.

**FRN 335. French Conversation. 1-3 credits.**

This course is designed to improve the speaking and understanding skills of the students through practical exercises. Course may be repeated for a maximum of three credits. P: FRN 225 or IC.

**FRN 410. Introduction to Translation. 3 credits. (Magis Designations: Ethics, Written Communication)**

This course will introduce students to the practice and techniques of translation. Students will translate a variety of texts from French to English and vice versa and will gain a better understanding of the process of translating and editing work in both languages. Satisfies Magis Designations: Ethics, Written Communication. P: Ethics, Contemporary Composition, FRN 311 or 312.

**FRN 411. Advanced Spoken French. 3 credits.**

Review of practical structures, building of a practical vocabulary, exercises designed to develop the ability to understand and express oneself orally in French. Magis Designations: Oral Communication, Technology, and Written Communication. P: Oral Communication, Contemporary Composition, FRN 311 or FRN 312.

**FRN 412. Advanced Written French. 3 credits.**

Review of structures, used in written French, vocabulary enhancement, translation techniques, introduction to practical stylistics, exercises designed to develop clear expression in written French. P: FRN 311 or FRN 312 or IC.

**FRN 415. Le Québec: sa langue et sa culture. 3 credits.**

This course is designed to broaden the student's awareness and understanding of the Francophone world and culture, specifically of Quebec, Canada. Through daily interaction with families, students, and local inhabitants of Montreal, students will observe and reflect on cultural and linguistic differences and compare those differences with their country and language of origin.

**FRN 424. French Civilization Before The French Revolution. 3 credits. FA**

Study of the history, philosophical movements, and general cultural developments in France from the earliest times until 1789. P: FRN 311 or FRN 312 or IC.

**FRN 425. French Civilization After The French Revolution. 3 credits. FA**

Study of the history, philosophical movements, and general cultural developments in France from 1789 to the present time. P: FRN 311 or FRN 312 or IC.

**FRN 430. Introduction to Literary Analysis. 3 credits. FA**

This course is designed to prepare students for upper-level French and Francophone literature courses with a focus on methods used for the interpretation of literary texts through critical and imaginative readings of poetry, theater, and prose. It thus offers a survey of the major genres, styles, and periods of French and Francophone literature. In conjunction with this exposure to important texts, students will develop the critical skills necessary for textual interpretation. P: FRN 311 or FRN 312 or IC.

**FRN 450. La littérature francophone africaine. 3 credits.**

A survey of major classic and contemporary works by writers from Francophone Sub-Saharan Africa. Special emphasis is placed on the relationship between history/society and literature, tradition and modernity, colonization and decolonization. P: FRN 311 or FRN 312 or IC.

**FRN 451. Women Writers In French and Francophone Literature. 3 credits.**

This course offers students the opportunity to read a wide variety of texts written by women in French across the centuries as well as to consider the notion of "écriture féminine" (feminine writing). Students will explore how women have represented women and gender in French and Francophone literature through the specific lens of French feminist theory. P. One 300-level FRN course, or IC.

**FRN 454. Le Roman français. 3 credits. OD**

Students will study the evolution of the French Novel, gaining awareness and understanding of the major personalities, events, ideas, and institutions that have shaped the French novel from Medieval times to the mid-20th Century. Refinement of advanced language skills: speaking, writing, reading, and listening. P. FRN 311 or FRN 312, or IC.

**FRN 457. French Poetry. 3 credits. FA**

Close examination and study of selected works from the Middle Ages to the present. P. FRN 311 or FRN 312, or IC.

**FRN 464. History of the French Language. 3 credits. OD**

The development of the French language; general linguistic principles, the Celtic substrata, the Latin base, the various substrata, from the earliest to modern times. P. FRN 311 or FRN 312, or IC.

**FRN 466. History of the Romance Languages. 3 credits. (Same as ITA 466, SPN 466)**

The development of the Romance Languages from the earliest to the modern times; the introduction to general linguistic principles; the presentation of the substrata, the Latin base and the superstrata of the Romance languages from the earliest to modern times. P. FRN 225 or ITA 225 or SPN 225, or IC.

**FRN 472. French Cinema. 3 credits. OD**

This course is a survey of French cinema. Students will screen, study, and discuss a selection of significant films in chronological order from the works of the Lumiere Brothers through contemporary productions. Historical, aesthetic, and technical aspects of cinematography will be discussed.

**FRN 475. Directed Independent Readings. 1-3 credits.**

Designed to meet the special needs of majors in French. Limit of three semester hours. P. IC only.

**FRN 495. Special Topics in French and Francophone Literature and Culture. 3 credits.**

A consideration of certain themes or issues which serve as an integrated view of French and/or Francophone literature and culture. P. FRN 430.

**FRN 497. Directed Independent Research. 0-3 credits.**

This course offers the students the opportunity to work with faculty guidance on a topic related to French and Francophone Studies chosen in consultation between the faculty member and the student P. IC only. Repeatable up to 6 hours.

**FRN 499. French and Francophone Studies Minor Degree Portfolio. 0 credits.**

This course is a degree requirement designed for students to upload final portfolios to complete the French and Francophone Studies Minor. Students will demonstrate a developmental knowledge of French needed for a working level of communication in speaking, listening, reading, and writing in addition to demonstrating cultural knowledge. P. FRN 225.

**FRN 525. Paris, Ville Du Monde (Paris, City Of The World). 3 credits. SU**

A travel course designed to offer the novice a comprehensive introduction to the city of Paris. More advanced students will have the opportunity to concentrate on a particular topic of interest while building upon prior knowledge. P. IC only.

**FRN 598. French and Francophone Studies Major Degree Portfolio. 0 credits.**

This course is a degree requirement designed for students to upload final portfolios to complete the French and Francophone Studies Major. Students will demonstrate an advanced knowledge of French needed for a proficient level of communication in speaking, listening, reading, and writing in addition to demonstrating cultural knowledge. P. FRN 225.

**GDE 300. Concept Sketch Development. 3 credits.**

Concept Sketch Development is designed to allow students to creatively solve multiple design problems but not necessarily take every idea to its final product.

**GDE 302. Community Mural Design. 3 credits.**

Students learn to design a mural with a community as well as sketching techniques and history of murals.

**GDE 324. Digital Foundations. 3 credits. FA, OD, SP, SU**

This course teaches the basics of designing graphics and imagery and then how to publish it online using a content management system such as Wordpress.

**GDE 361. Game Design I. 3 credits.**

Delve into the engaging realm of game design in this foundational course that serves as your gateway to the evolving world of interactive entertainment. Budding game designers, artists, and programmers will explore the multifaceted creative and technical fundamentals that contribute to the development of immersive interactive experiences.

**GDE 362. Game Design II. 3 credits.**

This course offers a comprehensive exploration of 3D game design, guiding students through fundamental principles and industry-standard tools. Participants gain hands-on experience, developing practical skills and a creative portfolio. Ideal for aspiring game designers, developers, or artists, the course provides a solid foundation for success in the dynamic field of 3D game design. P. GDE 361.

**GDE 370. Video and Photo. 3 credits. FA, SP**

An introduction to beginning digital video and photography as it relates to journalism. Students will effectively use still and video and other new media forms including the fundamentals of shooting (including composition, lighting, audio, etc) and editing with the goal of effective storytelling, including creating a short mini-documentary.

**GDE 374. Video and Filmmaking. 3 credits. FA**

Students learn how to shoot, produce and edit digital video short format projects for online and mass media distribution. P. GDE 370 or IC.

**GDE 375. Photojournalism. 3 credits. FA**

The course introduces photography as a means of reporting the news, including the use of film and/or digital cameras to prepare photographs for print or Web publication.

**GDE 380. Graphic Design. 3 credits. FA, SP**

This course introduces design using typography, photographs and graphics, which includes both digital and printed matter. Students learn through hands-on computer assignments and critiques. P. GDE 324; Ethics; Mathematical Reasoning.

**GDE 381. Graphic Design II. 3 credits. SP**

The course uses a variety of computer graphic tools to further develop skills and creativity in illustrating editorial and visual ideas. Students will work with and combine visual elements from photographs and artwork. Course includes on service-learning project of designing for a community organization. P. GDE 380.

**GDE 382. Web Design. 3 credits. FA**

The course introduces the design of websites, including elements of web layouts, typography, and graphics to create well-designed websites. P. GDE 324 and CSC 121.

**GDE 385. Computer Illustration. 3 credits.**

Illustrating editorial and visual concepts using the computer. Students will work digitally and combine visual elements from photographs, artwork and various imaging, but will focus on creating original raster and vector illustrations.

**GDE 410. Motion Graphics. 3 credits. SP**

Learn to create static graphics with the intent on animation. Create typography and motion/moving graphics, including storyboards, web preparation, and preparation for video. Each student will pitch ideas and discuss with class, and participate in critiques in order to improve content and motion graphic projects. Students will learn to quickly develop concepts and explain their ideas via digital concept sketches. P. GDE 380 and GDE 370.

**GDE 423. Interaction Design. 3 credits.**

This course explores the fundamental technologies of interaction design on the web and in the world. These explorations will be underpinned by the thoughts and theories of leading interaction designers. At the end of this course students will have an understanding of how interaction works, why it works, and what to do when it doesn't work. Students will develop an innate understanding of effective communication in visual and interactive modalities. P. GDE 382.

**GDE 424. Typography and Advanced Projects. 3 credits. OD**

The course is an intense examination of the use of typography in both historical and modern contexts. Students will learn effective ways to utilize type in a variety of digital and print media, with lectures in aesthetic, strategic and technical use of final projects that will showcase the strategic use of appropriate custom digital and hand-rendered typography. P. GDE 380.

**GDE 425. 3D Digital Design. 3 credits. FA**

An advanced 3D computer graphics course that creates virtual 3D designs for prototyping on 3D printers or other delivery methods. Students will learn the basics of designing in three dimensional space. P. GDE 324.

**GDE 426. Data Visualization. 3 credits. SP (Same as CSC 426)**

In today's world we are inundated with data. So much so that it is often overwhelming, confusing, and ultimately meaningless. By combining the principles of art, design, and statistics, Data Visualization teaches the tools and methods to harness that data and make it meaningful. It also enables clear communication and sets up the possibility for deep insights. P. GDE 324 or CSC 121.

**GDE 427. Immersive Design. 3 credits.**

This course explores the practice and design of augmented and virtual reality experiences. The goal of this course is to find ways that we can work together to use emerging digital augmentation tools to inspire a positive change in the world. Practical methodologies and critical theories are investigated and discussed.

**GDE 455. Projects in Communication. 1-3 credits. FA, SP, SU (Same as JRM 455)**

Students develop a project in any of the mass media that is approved by a faculty member. The course may be repeated until a maximum of six credit hours has been accrued. Graded Satisfactory/Unsatisfactory. P. IC.

**GDE 474. Mini-Documentary Filmmaking. 3 credits. FA (Magis: Designated Technology)**

Learn to create mini-documentaries collaboratively as a class on a 15-25 minute documentary project. This course advances all of the concepts begun in the videos classes, but culminates in a professional-level film that can be submitted to student film festivals. Advanced shooting, lighting, audio and editing techniques will be covered. P. GDE 370 or IC.

**GDE 493. Directed Independent Readings. 1-3 credits. FA, SP, SU (Same as JRM 493)**

Students work with a faculty member who agrees to supervise the directed independent readings. May be repeated until a maximum of six credit hours has been accrued. P. IC.

**GDE 590. Special Topics. 3 credits. OD, SP**

This course provides an in-depth examination of one or more current topics in graphic design and media, through a combination of lecture, discussion and student presentations. P. IC.

**GDE 599. Senior Capstone. 3 credits. FA**

The Graphic Design Senior Capstone course is designed specifically for graphic design majors. All students will create a major design project that integrates and demonstrates the various visual communication skills they have learned over the course of the major. The project will include written proposals and several stages of group presentation and critique. The project will include materials both online and printed, and should have a collaborative component that involves working with either a client or another student on a large scale project. Additionally, students will reflect on their experience in a blog setting, and engage in critical discussion on current professional practices and projects. P. Oral Communication course, Senior standing or IC.

**GER 109. Beginning German for Daily Life I: Online Lab. 1 credit.**

The online lab accompanies Beginning German for Daily Life I, which focuses on acquiring essential elements for basic communication and developing practical language skills. In this co-requisite course, students apply their emerging language skills by completing online reading, writing, listening, grammatical, and cultural activities to accompany classroom content. This course is graded Satisfactory/Unsatisfactory. CO: GER 111.

**GER 110. Beginning German for Daily Life II: Online Lab. 1 credit.**

The online lab accompanies Beginning German for Daily Life II, which focuses on acquiring essential elements for basic communication and developing practical language skills. In this co-requisite course, students apply their emerging language skills by completing online reading, writing, listening, grammatical, and cultural activities to accompany classroom content. NOTE: This course is graded Satisfactory/Unsatisfactory. P. GER 109 or placement. CO: GER 112.

**GER 111. Beginning German for Daily Life I. 3 credits.**

This course introduces students to the language by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as provides a broader awareness of and appreciation for the cultures of the countries where German is spoken. CO: GER 109.

**GER 112. Beginning German for Daily Life II. 3 credits.**

This course continues to develop the language-learning process by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as provides a broader awareness of and appreciation for the cultures of the countries where German is spoken. P. GER 111 or equivalent. CO: GER 110.



**GER 170. (Im)Migration and Integration in German-Speaking Countries in the 20th and 21st Centuries. 3 credits.**

(Im)migration and integration have a rich history in German-Speaking countries. Students will gain an understanding of the motivation for (im)migration, evaluate and compare those experiences to their own culture, and explore how language and culture affect one's ethnic and national identity and cultural integration. Course is taught in English. Satisfies Magis Critical Issues in Human Inquiry. CO: COM 101.

**GER 225. Intermediate German. 3 credits.**

This course is designed to help students make the transition to natural communication and develop the language-learning process by focusing on the expansion of necessary elements for development of the practical language skills (listening, speaking, reading, and writing) by using cultural and literary readings as well as grammatical exercises. It also provides a broader awareness of and appreciation for the cultures of the countries where German is spoken. P. GER 112 or equivalent or IC.

**GER 230. Explorations: German Literature in Translation: Love/Magic in 19th and 20th Cent German Lit and Film. 3 credits.**

This course, taught in English, offers a survey of literary masterpieces from the German-speaking world for the English language reader. The selection emphasizes works of the canon generally included in discussions of Western world literature in a variety of genres (prose, poetry, drama) from the 19th and 20th centuries. Unifying themes are 'love' and 'magic' and the ways in which they represent human experience in its individual, social and cultural dimensions. Authors include Johann Wolfgang von Goethe, Jakob und Wilhelm Grimm, E.T.A. Hoffmann, Sigmund Freud, Franz Kafka, Rainer Maria Rilke, Bertold Brecht and Friedrich Dürrenmatt, and selected early film classics such as "Metropolis" or "Das Cabinet des Dr. Caligari." P. One Magis Core Critical Issues in Human Inquiry course.

**GER 303. German Literature and Civilization I: From the Middle Ages to 1871. 3 credits.**

This advanced language course offers a survey of German literature and civilization from the Middle Ages to 1871 through discussion of literary and non-literary texts, film, music, art and architecture. Students should gain awareness and understanding of the major personalities, events, ideas and institutions that have shaped German literature and culture. Refinement and expansion of advanced language skills: speaking, writing, reading and listening. The course will be conducted in German. P. GER 225 or equivalent or IC.

**GER 304. German Literature and Civilization II: From 1871 to the Present. 3 credits.**

This advanced language course offers a survey of German literature and civilization from Wilhelmine Germany to the present through discussion of literary and non-literary texts, film, music, art and architecture. Students should gain awareness and understanding of the major personalities, events, ideas and institutions that have shaped German literature and culture. Refinement and expansion of advanced language skills: speaking, writing, reading and listening. The course will be conducted in German. P. GER 225 or equivalent or IC.

**GER 321. German For Business And Economics. 3 credits.**

Designed for students who wish to develop specialized language competence in business German and to understand economic and administrative aspects of business practice. P. One 300-level GER course of IC.

**GER 328. Studies In Contemporary German Culture: The Last 25 Years. 3 credits.**

Students will explore the different expressions of contemporary German culture. Areas of inquiry include, but are not limited to, German Identity, The Berlin Wall, the Other and minorities, geographical and political differences, German print and electronic media, and the New Germany within the New Europe. Students will investigate these topics through the study of literature, film, political documents, print and electronic media, online radio features and television programs, WWW sources published by German organizations and institutions, and the German Government. This course will be taught in German. P. One 300-level GER course or IC.

**GER 335. German Conversation. 1-3 credits.**

This course is designed to improve the speaking and understanding skills of the students through practical exercises. It will include culturally authentic sources like newspapers, radio broadcasts and television excerpts from Germany. Course may be repeated for a maximum of three credits. P. GER 225 or IC.

**GER 401. The European Union. 3 credits. AY (Same as PLS 401)**

Review of European co-operation and integration from the Treaty of Rome in 1958 to the present. Analysis of institutions and politics of the European Union. Issues such as currency integration, international trade, environmental and social regulation, admission of new members and movements of people. P. So. stdg.

**GER 411. Introduction To German Literature. 3 credits.**

Reading and discussion of major authors and their works as well as German literary movements/periods from the Middle Ages to the present. P. One 300-level GER course or IC.

**GER 425. The New Berlin. 3 credits. SU**

Students will explore the culture, history, and politics of Berlin, a city undergoing radical transformation since the fall of the Berlin Wall in 1989 and German unification in 1990. Through walking tours and visits to sites such as the museum at Checkpoint Charlie, the Reichstag, and Alexanderplatz, students learn how the history and culture of the past continue to shape the future of Berlin, the new capital of the Federal Republic of Germany. Travel Course. P. IC.

**GER 429. Contemporary German Literature. 3 credits.**

Discussion of 20th century German literary movements with special emphasis after 1945. P. One 300-level GER course or IC.

**GER 445. German Novelle. 3 credits.**

Study of the development and tendencies of the German short novels in the 19th and 20th centuries. P. One 300-level GER course or IC.

**GER 459. Marxism. 3 credits. OD (Same as PHL 459, PLS 459)**

In-depth study of the philosophical and political writing of Karl Marx, the historical evolution of Marxism, and its impact on contemporary thought. P. Philosophical Ideas course.

**GER 467. The Multiplicity of German Culture: Cultural Differences and Marginality. 3 credits. OD**

Students will explore the voices of marginalized groups in Germany. A variety of ethical views will be employed to evaluate the strategies used to marginalize or break down marginalization in social contexts. Students will discover how these groups find expression in German society and what strategies they employ for their survival. Students will study German language, literature, and film while gaining a deeper understanding of the existing relationships between Germany's main culture and the cultures of these marginalized groups. This course will be taught in German. Satisfies Magis Designated Ethics, Designated Oral Communication, and Designated Written Communication. P. Oral Communication course; Contemporary Composition course; Ethics course; One 300-level GER course or IC.

**GER 468. Resistance Throughout German History. 3 credits.**

This course focuses on identifying power structures of German society and survival strategies employed by marginalized groups throughout Germany's history (For example, the Peasants' war of 1524/25, the "witch" hunts, and the May revolution of 1848, German colonization in Africa and China, the Third Reich, post-war East- and West-Germany, and labor immigration from the 1950s to the 1970s). These historical periods will be examined from the perspectives of marginalized groups like Jews, Afro-Germans, homosexuals, women, "guest workers" and recent immigrants and refugees, among others. Class will be taught in English. P. Critical Issues in Human Inquiry; Senior Standing; Instructor's Consent.

**GER 472. Reading German Films. 3 credits. OD**

This course offers an introduction to the film analysis and 80 years of filmmaking in Germany. Films from the Weimar Republic to the 21st century are screened and discussed within the context of cultural and political history. The selected films, which range from silent movies to recent works by some of the world's most influential directors, present a broad spectrum of aesthetic and political perspectives that include Expressionism, Nazi propaganda, and post-unification social criticism. P. One 300-level GER course or IC.

**GER 493. Directed Independent Readings. 1-3 credits.**

Designed to meet the special needs of majors in German. Limit of three semester hours. P. IC only.

**GER 495. Directed Independent Study. 1-3 credits.**

For individual students who wish to complete a directed study project that focuses on a topic within the field of German studies. Limit of three semester hours. P. IC only.

**GER 497. Directed Independent Research. 0-3 credits.**

This course offers the students the opportunity to work with faculty guidance on a topic related to German Studies chosen in consultation between the faculty member and the student. P. IC only. Repeatable up to 6 hours.

**GER 499. German Studies Major Degree Portfolio. 0 credits.**

This course is a degree requirement designed for students to upload final portfolios to complete the German Studies Minor. Students will demonstrate a developmental knowledge of German needed for a working level of communication in speaking, listening, reading, and writing in addition to demonstrating cultural knowledge. P. GER 225.

**GER 545. German Novelle. 3 credits.**

Study of the development and tendencies of the German short novels in the 19th and 20th centuries. P. One 300-level GER course or IC.

**GER 598. German Studies Major Degree Portfolio. 0 credits.**

This course is a degree requirement designed for students to upload final portfolios to complete the German Studies Major. Students will demonstrate an advanced knowledge of German needed for a proficient level of communication in speaking, listening, reading, and writing in addition to demonstrating cultural knowledge. P. GER 225.

**GRK 111. Beginning Greek I. 3 credits.**

Course designed to focus on the basic vocabulary, grammar, and syntax of Ancient Greek as well as provide insight into ancient Greek culture.

**GRK 112. Beginning Greek II. 3 credits.**

Course designed to continue the introduction of the basic vocabulary, grammar, and syntax of Ancient Greek as well as provide insight into ancient Greek culture. In addition, selections from major authors of Greek prose will be read. P. GRK 111 or equivalent.

**GRK 225. Intermediate Greek. 3 credits.**

Selections from major Greek authors of prose and poetry. Intensive review of grammar and syntax. This course applies and extends the language study completed in GRK 111 and GRK 112. P. GRK 112.

**GRK 301. Readings in Greek. 3 credits.**

Selected readings of major Greek authors, such as Homer, Herodotus, or Lysias. Review of Greek grammar and syntax. Study of the prose and poetic styles of the authors read. P. GRK 225 or equiv.

**GRK 303. Greek Prose Composition. 3 credits. AY, SP**

This course provides a comprehensive review of ancient Greek morphology and syntax by means of composition. Students will closely analyze passages from several classical prose authors and attempt to imitate their various styles in their own writing of Greek. P. GRK 225 or equiv.

**GRK 400. Archaic Greek Authors. 3 credits.**

Students will read authors of the Archaic period (such as Homer, Hesiod, or individual lyric poets). This course may be repeated to a max of six credits. P. GRK 225 or equiv.

**GRK 401. Archaic Greek Themes and Genres. 3 credits.**

Students will pursue thematically-tied or genre-related readings of various authors of the Archaic period (such as epic or lyric). This course is repeatable to a max of 6 credits. P. GRK 225 or equiv.

**GRK 402. Classical Greek Authors. 3 credits.**

Students will read authors of the Classical period (such as Aeschylus, Thucydides, or Demosthenes). This course may be repeated to a max of six credits. P. GRK 225 or equiv.

**GRK 403. Classical Greek Themes and Genres. 3 credits.**

Students will pursue thematically-tied or genre-related readings of various authors of the Classical period (such as a focus on historiography, tragedy, problems of democracy, etc.). This course may be repeated to a max of six credits. P. GRK 225 or equiv.

**GRK 404. Post-Classical Greek Authors. 3 credits.**

Students will read authors of the Post-Classical period (such as Polybius, Plutarch, etc.). This course may be repeated to max of six credits. P. GRK 225 or equiv.

**GRK 405. Post-Classical Greek Themes and Genres. 3 credits.**

Students will pursue thematically-tied or genre-related readings of various authors of the Post-Classical period (such as a focus on inscriptions, historical topics, etc.). This course may be repeated to a max of six credits. P. GRK 225 or equiv.

**GRK 406. Late/koine Greek Authors. 3 credits.**

Students will read late-Greek or Koine authors (such as Origen or Nonnus). May be repeated to a max of 6 credits. P. GRK 225 or equiv.

**GRK 407. Late/koine Greek Themes and Genres. 3 credits.**

Students will pursue thematically-tied or genre-related readings of various late-Greek or Koine authors of the same period (such as from the Septuagint or New Testament). This course may be repeated to a max of 6 credits. P. GRK 225 or equiv.

**GRK 408. Byzantine Greek Authors. 3 credits.**

Students will read authors of the Byzantine period (such as Procopius, Photius, or Anna Comnena). May be repeated to a max of 6 credits. P. GRK 225 or equiv.

**GRK 409. Byzantine Greek Themes and Genres. 3 credits.**

Students will pursue thematically-tied or genre-related readings of various authors of the Byzantine period (such as epic or historiography). May be repeated to a max of 6 credits. P. GRK 225 or equiv.

**GRK 410. Diachronic Readings in Greek. 3 credits.**

Students will read works by Greek authors from different periods. They will be linked in any number of ways, e.g., by genre, theme, or subject matter. May be repeated to a max of six credits. P. GRK 225 or equiv; Critical Issues in Human Inquiry; Contemporary Composition; Oral Communication.

**GRK 411. Readings in Greek and Latin. 3 credits. (Same as LAT 411)**

Students will pursue thematically-linked reading of the works of Greek and Latin authors from different periods (such as comparative readings in drama, or philosophy, or historiography). May be repeated to a max of six credits. P. GRK 225 or equiv.

**GRK 493. Directed Independent Readings. 1-3 credits. FA, SP, SU**

Designed to meet the special needs of qualified students. Credit by arrangement. This course may be repeated to a max of six hours. P. DC.

**GRK 498. Senior Capstone Seminar. 3 credits. FA (Same as CNE 498, LAT 498)**

Directed research on a general topic; preparation and public presentation of a senior thesis. GRK 498 only open to Greek Majors.

**HAP 200. Introduction To Healthcare Administration. 3 credits. FA, SP**

An introduction to managerial and administrative issues in healthcare. Administrative components of the healthcare system and an overview of major topics such as human resource administration, information management, budgeting and financing, planning and health organization strategy, government regulation, and insurance issues.

**HAP 310. Health Finance and Budgeting. 3 credits. SP**

Financial and budgetary concepts as applied in the management of healthcare organizations. Topics include sources of funding, cost and rate setting, third party payment issues, general questions of internal control, financial planning, and use of various financial instruments. P. HAP 200 and ACC 201.

**HAP 312. Research Design for the Social Sciences. 3 credits. FA, SP (Same as SOC 312, CRJ 312)**

Introduction to social science research methods. Attention is directed to the basic logic and research techniques involved in studying the social world scientifically. Specific topics considered include research design, measurement, alternative data collection procedures, and ethical concerns involved in studying social life. Satisfies Magis Core: Doing Social Science; Magis Designations: Ethics, Written Communication. P. Contemporary Composition; Ethics; Understanding Social Science.

**HAP 314. Statistics for the Social Sciences. 4 credits. FA, SP (Same as ANT 314, SOC 314)**

Broad introduction to the statistical techniques used by social scientists to analyze their data, including computer usage. Attention is directed to the basic procedures for organizing and describing data, for assessing relationships among social variables, and for using that information to make inferences about the population. P. Mathematical Reasoning course.

**HAP 317. Global Health: A Biosocial and Justice-Oriented Approach. 3 credits. FA, SP (Same as AFS 317, ANT 317, SOC 317)**

This course provides a biosocial framework for the study of Global Health arguing that global health issues can only be sufficiently understood and addressed by recognizing their physiological as well as their sociocultural contexts and the dynamic interplay between both. Global health as a discipline is, therefore, interdisciplinary and draws from diverse academic and applied disciplines and professions. This course also highlights the increased recognition in Global Health of health and access to health care as a human right and includes discussions on the importance of a commitment to global health justice and equity. P. So. stdg. P. So. stdg.

**HAP 318. Applied Research: Assessment and Evaluation. 3 credits. FA, SP (Same as ANT/CRJ/SWK 318)**

This course familiarizes students with foundational research methods for needs assessment and program evaluation commonly used in the social sciences. Satisfies Magis Core: Doing Science Science; Magis Designated Oral Communication, Designated Technology, Designated Statistical Reasoning P. Critical Issues in Human Inquiry (or HRS 100 or HRS 101), Oral Communication, Understanding Social Science, Mathematical Reasoning.

**HAP 331. Public and Non-Profit Administration. 3 credits. FA (Same as PLS 331)**

Examines administrative processes and politics in government and non-profit settings. The course emphasizes application of material to case study examples of public and non-profit organizational challenges. Course covers local, state, and national bureaucratic politics. P. One Magis Core Contemporary Composition course and So. stdg.

**HAP 334. Public Policy And Health Care. 3 credits. SP (Same as PLS 334)**

Review of government policies and programs as they affect healthcare in the United States and other countries. Various systems of health insurance, the private medical market, governmental provision, development and evolution of managed care systems, current U.S. federal programs. P. So. stdg.

**HAP 336. An Introduction to Conflict Resolution. 3 credits. SU**

This introductory course will introduce conflict resolution, exploring historical epochs and cultural approaches as well as appropriate practices using the lens of anthropology. Students will look at conflict and conflict resolution approaches. Conflict resolution will be explored as a history of changing discourses, connecting the relationships between world events, meaning systems, and appropriate analytical tool. Narrative methods will be used to generate a transformational approach, storying conflict narratives while working with duoethnographic partners. P. Understanding Social Science; Contemporary Composition.

**HAP 350. The Essentials of Public Health. 3 credits. FA, SP**

This course is designed to give students a broad overview of the logic, tools, structure, and practices that define the field of public health. A central theme in this course is that the logic of population health - i.e., looking at distributions of health-related incidents rather than at individual cases - can help us solve many problems that we might not initially categorize as "health" problems. The course is also designed to give motivation and practical guidance to students interested in a career in public health, and to students entering other health professions. Satisfies Magis Core: Understanding Social Science, and Designation: Oral Communication. P. Oral Communication.

**HAP 355. Essentials of Epidemiology. 3 credits. (Same as MTH 355, STA 355)**

This course introduces the concepts and includes exercises related to epidemiology, the discipline that serves as the basic science of public health, or population health, by providing evidence for defining the public health problem, assessing causation, and evaluating effectiveness of potential interventions.

**HAP 383. Cultural Epidemiology: Global Perspectives. 3 credits. (Same as ANT 383)**

Cultural epidemiology addresses the structural and cultural determinants of health, and integrates methods, theories, and debates in both epidemiology and medical anthropology responding to health needs on an international scale. The course introduces students to methods for health research, concepts of health and disease, and strategies to alleviate ill health. P. ANT 113 and Contemporary Composition.

**HAP 390. Health Communication. 3 credits. AY (Same as COM 390, Magis Core Doing Social Science)**

This course investigates research theories and permits students to demonstrate practical applications of communication within health care situations. The course emphasizes understanding communication variables such as verbal, non-verbal, conflict, listening, and self disclosures in health care contexts. The course also examines issues of ethics and relationships between health care providers, patients, and families. P. One Magis Core Understanding Social Science course.

**HAP 404. Bioethics and Society. 3 credits. (Same as PHL 404)**

Bioethics and Society explores questions of ethics and social justice arising from present and emerging medical and biotechnologies, e.g. cloning, germline genetic engineering, and nanotechnology. Satisfies Magis Core Intersections and Designated Technology P. Critical Issues in Human Inquiry course. Sr. Stdg.

**HAP 410. Seminar In Health Administration. 3 credits. FA**

Selected advanced topics in health administration. May be repeated for six credits as long as the topic differs.

**HAP 411. Seminar in Healthcare Administration: Healthcare Planning and Marketing. 3 credits. SP**

This course will cover planning and marketing processes common in the healthcare industry. Emphasis will be placed on strategic and business planning, marketing systems and project promotion. Students will use basic financial, marketing and statistical skills and will research a planning or marketing project in an Omaha healthcare organization. P. Oral Communication course.

**HAP 412. Information Systems in Healthcare Management. 3 credits. SP**

This course examines the information system concepts as applied in the management of healthcare organizations. Our primary goal is to learn and understand information systems, and to practice applying information systems in the healthcare environment.

**HAP 413. Service Excellence and Human Resources in Healthcare. 3 credits. FA**

This course is designed to expose students to the concept of healthcare "service excellence" and give an overview of the multiple aspects of healthcare human resources. The goal is to build a knowledge base of these topics and develop skills which will easily transfer into the student's future workplace. P. Oral Communication course.

**HAP 414. Careers in Health Administration. 3 credits.**

This course is designed to expose students to career and leadership opportunities in today's healthcare industry (e.g. hospitals, long-term care, physician practices, health departments, insurance companies, pharmaceutical industry, etc.). The goal is to provide an overview of skill sets needed by healthcare administrators to assist in career planning.

**HAP 415. Seminar in Healthcare Management. 3 credits.**

The purpose of this course is to learn about the managerial structures common to the American healthcare industry, including managerial concepts, organizational design, human resource management, motivation and leadership, decision-making, communication and control systems. Students will get experience in skills and activities found in the healthcare work place.

**HAP 416. Healthcare Ethics: Public Health, Administration, and Clinical Care. 3 credits. (Same as JPS 416)**

This course prepares students to navigate unique ethical challenges at the three interrelated levels of modern healthcare: macro (public health), meso (organizational), and micro (clinical). The course also engages the Ignatian tradition as a tool for discerning one's vocation in healthcare. Satisfies Magis Core Intersections; Designation: Ethics. P. Critical Issues in Human Inquiry course, Ethics course.

**HAP 418. Healthcare, Society and Culture. 3 credits. (Same as ANT 418, SOC 418)**

This course analyzes health, illness, and healthcare by considering social forces, applying a social science perspective, and comparing this perspective with other paradigms in order to comprehend sources and distribution of illness, social meanings and experiences of illness, and diverse health care systems in domestic and global settings. P. One Magis Core Critical Issues in Human Inquiry course; Senior standing.

**HAP 420. Seminar in Health Policy. 3 credits. AY, SP**

Selected advanced topics in health policy. May be repeated for six credits as long as topic differs.

**HAP 422. Health, Disease, and Suffering in the Past and Present. 3 credits. (Same as ANT 422)**

Experience of disease has become commonplace in society. Which brings to light questions such as: When did people begin experiencing disease? What cultural and environmental factors influence the spread of disease? When experiencing disease, what social and biological challenges do people face? This course takes a broad comparative approach to the study of health and disease through time (paleopathology), exploring topics such as identification of health and disease in the past, spread of disease (pandemics and epidemics), medical treatment practices, cultural stigma surrounding disease experience, and healthcare equity through time. Conditions resulting in soft tissue and boney responses are often associated with cultural and environmental variables such as living conditions, access to food, habitual behaviors, and childhood growth and development. To better understand health experiences and equity in modern populations, it is important to establish a foundation of past social, cultural, and biological patterns. Prereq: Critical Issues in Human Inquiry.



**HAP 433. Public Policy Analysis. 3 credits. AY, SP (Same as PLS 433)**

Examination of approaches to public problem solving and public policy analysis. Key theories of power and policy, strategies for analyzing public problems and developing policy proposals and policy in specific areas. P. Jr. stdg.

**HAP 450. Communicating Health Narratives. 3 credits. OD (Same as COM 450)**

This course examines communication in multiple health care contexts: individual (health beliefs and attitudes), interpersonal (patient-provider and provider-provider), organizational (hospital, and clinic), and societal (public health campaigns, health policy, and health politics). We will explore how narratives function to construct and communicate health beliefs in these contexts.

**HAP 456. Public Health Ethics. 3 credits. (Same as PHL 456)**

Lectures and small group discussions focus on ethical theory and current ethical issues in public health and health policy, including resource allocation, the use of summary measures of health, the right to health care, and conflicts between autonomy and health promotion efforts. Student evaluation based on class participation, a group project, and a paper evaluating ethical issues in the student's area of public health specialization. P. Philosophical Ideas course.

**HAP 457. Biomedical Ethics: Philosophical and Theological Approaches. 3 credits. FA, SP, SU (Same as PHL 457, THL 457)**

This course explores philosophical and theological ethical theories and analyzes and evaluates select issues in biomedicine and health care policy in light of those theories. Satisfies Magis Designated Ethics. P. Ethics course.

**HAP 477. Gendered Health Across the Lifespan. 3 credits.**

A great human concern in our society is the gendered construction of health and how individuals are affected by health decisions. This interdisciplinary course will explore gendered health issues involving ethical, biocultural and psychosocial perspectives across the lifespan. The first part will lay the theoretical groundwork and identify policy and ethical concerns; the second part will examine gendered health issues across the lifespan. P. Sr. stdg.

**HAP 485. Internship In Health Administration And Policy. 3 credits. FA, SP, SU**

Students work as entry-level administrative professionals in organizations involved in healthcare delivery, administration, or policy-making. May be repeated to a maximum of six hours of credit. P. Jr. stdg., 2.5 GPA; consent of internship director.

**HAP 493. Directed Independent Readings. 1-3 credits. FA, SP**

A student initiated program of readings undertaken with a faculty member in the Health Administration and Policy Program. May be repeated to a maximum of six hours. P. DC.

**HAP 497. Directed Independent Research. 1-6 credits. FA, SP**

A student initiated research project undertaken with the supervision of a faculty member in the Health Administration and Policy Program. May be repeated to a maximum of six hours. P. DC.

**HAP 501. Intro to Health Informatics. 3 credits.**

This course offers a thorough introduction to information processing, searching and organization, and analysis of information. This survey course will provide an overview of health IT infrastructure, internet-based access, ethics, and economics of information, and change management in a healthcare setting.

**HAP 515. Law and Health Systems. 3 credits. FA**

Legal aspects of health care in the administration of health organizations. Among topics considered are legal liability and standards of care, malpractice, regulation of health care professions, informed consent, policies regarding medical records, and legal responsibilities for personnel. P. HAP 200.

**HAP 520. Statistical Methods for Public Administration and Policy Analysis. 3 credits. OD (Same as PLS 520)**

Application of research methods and statistical tools to public management issues. Reviews basics of research design with attention to public management tasks and questions. P. PLS 310 or SOC 312.

**HEB 101. Introduction To Classical Hebrew I. 3 credits. FA**

Introduction to Classical Hebrew: alphabet, paradigms, introductory grammar.

**HEB 102. Introduction To Classical Hebrew II. 3 credits. SP**

Continuation of Classical Hebrew I with emphasis on grammar, structure, and compositional techniques, leading to a study of Hebrew narrative. P. HEB 101.

**HEB 201. Introduction To Classical Hebrew Poetry. 3 credits. OD**

Literary analysis of select Biblical poetry (prophets and psalms) with emphasis on structure, cultural context, and linguistic styles. P. HEB 102.

**HIS 110. History and Technology in the Modern World. 3 credits.**

History component of an interdisciplinary course in Modern Western History along with the materials science concepts that made these events possible. A survey of the evolution of the Western societies and technologies of Europe and North America from the 15th century to the present. P. MTH 245.

**HIS 111. Introduction to World History. 3 credits.****HIS 170. Liberalism and Its Discontents. 3 credits.**

A privileged group of philosophes during the Enlightenment wrote about freedom. Their ideas became the basis of new forms of society, and almost immediately were appropriated by expanding groups of subjects. We will examine some of the founding documents of human liberation and explore the uses of "liberty" today. Satisfies Magis Critical Issues in Human Inquiry. CO: COM 101.

**HIS 171. Waging Peace in the Twentieth Century. 3 credits.**

Waging "Peace" is a historical study that puts war on the margins of inquiry and peacemaking at the center of 20th century history. This unorthodox historical perspective allows exploration into whether an alternative narrative of the past presents under-examined possibilities for promoting peace and justice in the present. CO: COM 101.

**HIS 172. Globalization and Leadership in Africa. 3 credits.**

This course examines the extent to which western leadership norms, ethics and values have been adopted within the African nation-state system. We will study the African nation-state as a product of globalization (as westernization) and the extent to which leadership institutions and practices in Africa approximate their western counterparts. CO: COM 101.

**HIS 173. Colonial Legacies in Asia. 3 credits.**

This course explores colonialism and its legacies in Asia. However, rather than relating a narrative of colonial occupations, policies, and resistance movements, this course examines the philosophical, moral, social, and cultural aspects of colonialism within a thematic and conceptual framework. It is designed to critically interrogate the notions and definitions that serve to structure our understanding of "East" and "West" and the encounters that framed the historic relationship between the two. Concepts of race, power, gender, national identity, morality, technology, and environment are all deeply examined. CO: COM 101.

**HIS 174. Discovering Paradise. 3 credits.**

Postcard views of the tropical islands of the Pacific invite visitors to enjoy a taste of paradise. But paradise has a history not neatly contained in these carefully framed shots. The discovery of paradise is a complicated tale of exploration and empire, resistance and exchange, artful imagination and difficult reality. CO: COM 101.

**HIS 175. History of Protest in America. 3 credits.**

This course approaches American history from the perspective of those often left out of traditional political narratives, including women, people of color, the enslaved, and the poor. Together, we will seek to understand how these groups have used forms of protest to gain access to rights and liberties already enjoyed by political elites. Students will also explore how our own lives have changed as a result of these social movements and, at a time that increasing numbers of people are joining protest movements across the world, will have a better understanding of what protest means in modern society. CO: COM 101.

**HIS 176. Controversies in Science and Medicine (1900-1990). 3 credits.**

In this course, we will examine the changing ways that these dilemmas have been recognized and addressed since the early-20th century. Rather than a chronological survey of this time period, we will approach these historical topics thematically. This will include an historical analysis of the rise of bioethics, as well as evolving conceptions of autonomy, social justice, disease, and disability. Topics of study in this course will include changing and contested perspectives on end-of-life decision-making, the adoption of new reproductive technologies, and the diagnosis and prevention of hereditary disease. In addition, we will consider how various forms of technological automation over the course of the 20th century have changed what it means to an autonomous individual or professional expert in daily life. CO: COM 101.

**HIS 177. Seeking God in the Medieval West. 3 credits.**

This course explores the variety of religious practices that emerged from late antiquity through the sixteenth century to help people find spiritual fulfillment. As we explore how those of past ages sought God, students will be challenged to contemplate what they seek in their own lives, and why. CO: COM 101.

**HIS 179. A History of (Un)natural Disasters. 3 credits.**

In this course, students will critically evaluate the significance of catastrophic events in global history. We will interpret "natural disasters" through the lens of social, environmental, and economic justice and use disasters to explore the relationship between "natural" and cultural change across time. CO: COM 101.

**HIS 271. Conquest, Piracy, and Slavery: A History of the Atlantic. 3 credits.**

Emphasis will be placed on patterns of change and continuity since the fifteenth century. Topics such as the slave trade, colonial encounters, and race will inform the lectures, discussions, and group activities. The experiences and culture of peasants and elites will underscore how people interacted and made their own history. P. Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**HIS 272. Global Perspectives in History: Europe and the World. 3 credits.**

This is a lower-level course designed to introduce students to the major political, socio-economic, and cultural changes of our world, from the 18th century through today. Throughout the term we will define and refine our understanding of Europe and its beliefs about itself and the world. As a class, we will read and discuss a number of primary documents written by scientists, artists, political leaders, and individual witnesses to the profound changes that mark the modern era. Together, we will think through the changing purpose of history and debate the great narratives of change: progress, enlightenment, secularization, democratization, globalization, and social reform. P. One Magis Core Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**HIS 273. Global Perspectives in History: History of Science and Medicine. 3 credits.**

In this course, we will examine the interaction, uptake, and enhancement of western science, technology, and medicine around the globe. While these forces have significantly shaped the modern world, western knowledge and technology have been understood and adopted in different ways by local cultures. One of the best ways to understand a society is to examine how it has made sense of and altered the world. This can be accomplished by asking: How was reliable knowledge created? Why, who, and where were diseases understood to strike? What role did technologies play in revolution? Through an examination of these questions, history offers opportunities to rethink assumptions about rational thought, objective reasoning, and how the world works. P. One Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**HIS 274. Global Perspectives in History: Rights and Revolutions. 3 credits.**

The goal of the Global Perspectives in History: Rights and Revolutions course is to enhance students' knowledge of significant ideas and development in the quest for greater human, political and civil rights in the West. The class will engage both primary and secondary sources in order to answer 4 basic questions in each unit: "who had the power and rights?", "what was life like for those without power and rights?", "what rights were demanded?", and "what was the outcome of the demand for these rights?" The text, supplemental readings, lectures, and films will provide the overview of those intimately involved in each movement. Discussion boards will evaluate the ideas of the era, and postings and papers will wrestle with the historical questions raised by each movement. P. One Magis Core Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**HIS 275. The Twentieth Century as "The American Century. 3 credits. (Same as AMS 275)**

In 1941, publisher Henry R. Luce declared the twentieth century to be "The American Century." This course examines the degree to which Luce's label squares with a global-historical analysis of the major events, movements, and figures of the century that just passed, where the roots of many of today's most challenging issues are to be found. P. One Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**HIS 276. Global Perspectives in History: Asia and the World. 3 credits.**

This course is designed to introduce students to prominent concepts, themes, and narratives concerning Asia's global history. Though the course is by no means exhaustive, students can expect to look closely at East, Southeast, and South Asian culture and history with a particular emphasis on patterns of global interaction, cultural change, historical development, and a deep interrogation of the social categories that shape our shared global past. P. Successful completion of a Critical Issues in Human Inquiry class or HRS 100 or HRS 101.

**HIS 277. Medicine in Africa and the African Diaspora. 3 credits. (Same as AFS 277)**

Through the lens of race, gender, and imperialism, this course explores the historical role of medicine in shaping Africa's relations with the world, from the Arab incursions of the 7th century to the trans-Atlantic, colonial, and post-colonial encounters of the 15th to the 21st century. We reflect on medicine as an instrument of state formation, political domination and social control in Africa and the Afro-Atlantic. P. Critical Issues in Human Inquiry.

**HIS 278. Islam and the World. 3 credits.**

A survey of developments in the Islamic world from the rise of Islam to the present through an examination of religious, social, and political institutions. Special attention is devoted to historical legacies in understanding Islam in the world today. P. One Magis Core Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**HIS 279. Medieval Encounters. 3 credits.**

Europe and the world, from the collapse of the western Roman Empire to the dawn of the Age of Exploration. We will examine how contact with civilizations beyond Europe created an exchange of goods and ideas, contributing to developments in trade, communications, learning, and material life. In the course of their encounters with other civilizations, did medieval Europeans become more open, more inclusive in their worldview, or more insular and exclusive? P. One Magis Core Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**HIS 280. Sport and Athletics in the Ancient Mediterranean. 3 credits. (Same as CNE 280)**

This course explores the critical role of athletics and sport in the ancient Mediterranean. Sport was fundamentally linked to social and cultural identity and usually performed in public, often religious or funerary, celebration. The course will end with an overview of the legacy of ancient sport, especially the revival of the Olympic Games. P. One Magis Core Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**HIS 281. Europe's Hubris and Humiliation. 3 credits.**

This course is designed to introduce students to the major political, socio-economic, and cultural changes of our world, from the late nineteenth century through 1930. Throughout the term we will define and refine our understanding of Europe and its beliefs about itself and the world. As a class, we will read and discuss a number of primary documents written by scientists, artists, political leaders, and individual witnesses to the profound changes that mark the modern era. Together, we will think through the changing purpose of history and debate the great narratives of change: progress, imperialism, secularization, democratization, global warfare, and social reform. P. Critical Issues in Human Inquiry.

**HIS 282. Reacting to the Past. 3 credits.**

An introduction to the complexity of history through participation in role-playing games set in the past. Students learn by taking on the roles of historical figures (famous or obscure), in elaborate games set in the past; students learn skills – speaking, writing, critical thinking, problem solving, leadership, and teamwork – in order to prevail in difficult and complicated situations. Contact the instructor for more details as topics will vary each time the course is taught. P. Critical Issues in Human Inquiry course.

**HIS 284. Global Perspectives in History: The US in the World. 3 credits.**

The goal of this course is to explore the domestic and international forces that have shaped the relationship and foreign policy of the US in the world. By studying the historical roots of many of today's international developments, students will have a better understanding of the complexity and intersections of competing interests, competing forces, and competing actors on the world stage. P. Critical Issues in Human Inquiry.

**HIS 285. The Stuff of History: Materials That Have Shaped Our World. 3 credits.**

The Stuff of History" is an integrated course that combines the knowledge, skills, and attitudes of materials science and history. Throughout three project-based modules, students will explore key events that shaped the history of Western society, along with the materials science concepts and technologies that made these events possible. P. Critical Issues in Human Inquiry; MTH 245.

**HIS 287. Global Perspectives in History: The Native American Experience. 3 credits.**

This course is a survey of the development of Native American societies and cultures from their appearance on the continent to the present emphasizing the evolution of cultural, political, and social systems and the imprint of contact with Euro-American cultures. P. One Magis Core Critical Issues course or HRS 100 or HRS 101.

**HIS 300. Historiography. 3 credits. FA**

Study of the history of writing history - the concepts, contributions, and controversies of outstanding historians of the past and present who have developed this central branch of knowledge. Concentration on a specific field within history, as selected by the instructor. Required of all history majors. P. So. stdg.

**HIS 304. History Of Greece And Rome. 3 credits.**

Historical survey of the Mediterranean region in the Hellenic and Roman periods. The Greek city-state, Hellenistic kingdoms, the Roman Republic and Empire. Political, economic, and cultural institutions.

**HIS 307. Introduction to American Studies. 3 credits. (Same as AMS 307, and ENG 307)**

This course provides an introduction to the field of American Studies, which seeks to understand the complex reality of "the American experience" in all its variety. Topics include the history of American Studies as a discipline as well as its methodologies, central concepts, and emerging questions. Students will examine a broad topic from multiple disciplinary perspectives, with an emphasis on developing and employing the methodological tools common to contemporary American Studies scholarship. The topic/content areas will be selected by the instructor, based upon his/her area of scholarly expertise. P. So. stdg.

**HIS 308. Theories and Methods in American Studies. 3 credits. (Same as AMS 308)**

This course introduces students to prevailing theories and methodologies in American Studies. Students will examine in a critical fashion interdisciplinary studies of the meaning and significance of "Americanness" in historical, cross-cultural, and even trans-national contexts. The complex relationships between ethnic, religious, racial, and ideological groups in American society will receive critical attention. P. So. stdg.

**HIS 310. History Workshop. 3 credits.**

History Workshop is a hands-on introduction to the craft of researching and writing history. The course provides the analytical tools required to succeed in the history program and to produce high quality research projects in upper-division courses. The specific topic of study varies by instructor.

**HIS 311. United States History To 1877. 3 credits. FA**

Surveys the growth and development of institutions from their European origins through the end of Reconstruction. Emphasis is placed on the ideas and processes that created those institutions, as well as on the degree to which they were uniquely American. Serves as the basis for advanced work in United States history. P. So. stdg.

**HIS 313. American History - Reconstruction to 1945. 3 credits.**

This course surveys the major movements and transformative events of the United States from Reconstruction to the end of World War II. The economic, political, social, diplomatic trends and policies of the United States illuminate the complexity and interconnectedness of the ever-changing American landscape and their impact today.

**HIS 314. American History - 1945 to the Present. 3 credits.**

This course surveys the major movements and transformative events of the United States from the end of World War II to the Present. The economic, political, social, diplomatic trends and policies of the United States illuminate the complexity and interconnectedness of the ever-changing American landscape and their impact today.

**HIS 316. Introduction to Digital Humanities. 3 credits.**

This course explores the practice of using digital technologies in the context of humanities scholarship. Thorough readings and practical, hands-on explorations of digital projects, we will explore a wide range of technologies that can be used to support humanities research, including: mapping tools, data visualization, text and image analysis, website design, and historically-based games. Students will work collaboratively in the completion of a semester-long digital humanities project. No previous experience working with digital technologies is required or assumed. Satisfies Magis Designated Statistical Reasoning and Designated Technology. P. Mathematical Reasoning.

**HIS 317. Mapping History: Cartography from the Early Modern to Digital Age. 3 credits.**

Mapping History: Cartography from the Early Modern to the Digital Age" surveys the history of cartography and is an introduction to historical geographic information systems (GIS). Students will apply the lessons of the history and analysis of maps to create and critique their own digital mapping projects. P. One Magis Core Global Perspectives in History course.

**HIS 321. Tudor and Stuart England. 3 credits.**

Political, economic, religious, and intellectual developments in England, 1485-1714. Topics include Henry VIII and the English Reformation; the Elizabethan Age; Exploration and Imperial Expansion; the rise of Puritanism; the English Civil War; the Restoration Era; and the "Glorious Revolution." P. So. stdg.

**HIS 324. Global Perspectives in History: The Irish Experience. 3 credits.**

In this travel course, students combine the examination of primary and secondary texts with visits to historic sites in and around Dublin as they learn about the development of Irish society and culture from its earliest settlements to the present day. P. Critical Issues in Human Inquiry course. FLPA travel course: Open only to students in the Ireland FLPA.

**HIS 325. Race, Nation and Empire. 3 credits.**

Is nationality the most universally legitimate value in the political life of our time? How are nationalism, racism and empire intertwined? This class will study the culture and politics of nation-building throughout the long nineteenth century in Europe and the Atlantic world through a variety of primary and secondary sources. P. So. stdg.

**HIS 330. Cuba and the U.S.: Revolution and Restitution. 3 credits.**

This course will introduce students to the developments that define Cuba-US relations, placing a strong emphasis on the historical and literary importance of the early independence movements of the 19th century, the growing Cuba-US relations during the early 20th century, the consequences of the Socialist revolution, and the deterioration of the relationship between the two countries that culminated with the US embargo.

**HIS 335. The Scientific Revolution. 3 credits.**

European science, 1500-1700, examining how new scientific theories challenged traditional explanations of natural phenomena. Topics include the development of the modern scientific method, the Copernican revolution in astronomy, the Galileo controversy, anatomy, occult sciences, and Newtonian physics. P. So. stdg.

**HIS 341. Introduction to Jewish History. 3 credits.**

Presentation and examination of Jewish history from biblical to modern times with emphasis on social, political, cultural, and religious contexts and interactions. P. So. stdg.

**HIS 345. History and the Holocaust. 3 credits.**

This course will be taught in four modules that cover the context of the Holocaust, the experience of genocide, how it is remembered, and the historiographical debates that are built around it. Students learn to better question the methods and master narratives of current European history. P. One Magis core Global Perspectives in History course.

**HIS 347. The Arab-Israeli Conflict: Struggle For The Holy Land. 3 credits.**

An examination of the Arab-Israeli conflict from the emergence of political Zionism in the late 19th century to the peace efforts of the 1990s and beyond. Topics will include the origins and consequences of the British mandate for Palestine; the development of Israeli social and political institutions; the rise of Palestinian national consciousness; the impact of outside powers on the conflict; and prospects for a lasting resolution. P. So. stdg.

**HIS 348. Muhammad And The Rise Of Islam. 3 credits. (Same as CNE 348)**

The course examines the emergence and flowering of Islamic civilization from the time of the Prophet, Muhammad, until the sack of Baghdad by the Mongols in 1258. Topics include Muhammad's prophetic mission, the Arab Kingdom of Damascus, the rise of the Abbasids and the classical civilization of the High Caliphate. P. So. stdg.

**HIS 349. Egyptian Art And Archaeology. 3 credits. OD (Same as ARH 349, CNE 349, THL 349)**

This course surveys ancient Egypt from the prehistoric/predynastic periods beginning around 4,000 BCE through the incorporation of Egypt into the Ptolemaic then Roman Empires at the end of the first millennium BCE. You will learn about the changing historical and cultural contexts of Egyptian art and architecture, exploring topics such as the meaning and audience of Egyptian art, the relationship between writing and artistic representation, the art of death, and the connections between art, religion, kingship, and the Egyptian worldview. Along the way, you will also learn about the history of the field of Egyptology, the relationship of modern Egypt to ancient Egypt, and how "the west" has constructed, used, and abused a constructed "ancient Egypt." Satisfies Magis Core: Fine Arts.

**HIS 350. Archaeology of Israel and Jordan. 3 credits. OD (Same as ARH 350, CNE 350, THL 350)**

A chronological survey of the archaeology of Israel and Jordan, providing a material perspective on the history of society, economy, and religion of the people from the Neolithic period to the Byzantine Period.



**HIS 351. Warfare in the Classical World. 3 credits. (Same as CNE 351)**

This course will study warfare as it was conducted and imagined in the Greek and Roman worlds. Using both primary evidence and secondary scholarship, we will examine practical manuals of tactics and siege warfare, as well as literary works from a variety of genres. We will also consider material evidence, such as visual and monumental depictions of warfare, and their role in producing cultural meaning. P. So. stdg.

**HIS 352. Puerto Rico and the U.S.: Citizenship, Colonialism, and Cultural Nationalism. 3 credits. (Same as PLS 352)**

An overview of the Puerto Rican history and relationship with U.S. Course focuses on how Puerto Ricans experience, perform, and assign meaning to citizenship and cultural national identity in a colony with limited participation in the laws that govern them.

**HIS 354. Constitutional History Of The United States To 1877. 3 credits.**

Analyzes the impact of historical events on the theory, writing, and evolution of the Constitution. Colonial and Revolutionary background; the Constitutional Convention; development and interpretation of the Constitution from the Federalist era through the Civil War and Reconstruction. P. So. stdg.

**HIS 355. Constitutional History of the United States Since 1877. 3 credits.**

Continuation of HIS 354. HIS 354 is not a prerequisite to HIS 355. Analysis of the impact of historical events on the Constitution. Constitutional interpretation in late 19th century; the Progressive era; World War I, the 1920's; the New Deal; World War II and the Cold War; civil liberties and civil rights; the Warren, Burger, and Rehnquist Courts; the Presidency since World War II; contemporary Constitutional issues. P. So. stdg.

**HIS 356. Constitutional Issues. 3 credits. (Same as PLS 356)**

This course links both the Constitutional History of the United States with the Constitutional Law cases that laid the foundation for the living Constitution that exists today. The historical context and the judicial actions of the courts, from the Founding Fathers to the present, will be examined and debated. P. So. stdg.

**HIS 357. Religion In American Society To 1865. 3 credits.**

The influence of religion on American cultural, intellectual, social, and institutional development. The role of religion in the discovery, exploration, and settlement of the continent as well as the birth and growth of the nation. Includes colonial attitudes toward and practices of religious freedom; denominationalism; the American sense of errand and mission; 18th century revivalism and its role in the American Revolution; 19th century revivalism and the settlement of the frontier; pietism; millennialism; and the impact of the Civil War on major American churches. P. So. stdg.

**HIS 358. Religion In American Society From 1865 To The Present. 3 credits.**

Continuation of HIS 357. HIS 357 is not a prerequisite to HIS 358. The influence of religion on American cultural, intellectual, special, and political development. The responses to urban growth and industrialization; the development of the Social Gospel; nativism and its impact on American religion; crusading Protestants or the role of missionaries; the rise of Neo-Orthodoxy; revivalism in modern America; religion in American life in economic depression, in war, in prosperity, in social turmoil; unbelief in America; and the new religions in America. P. So. stdg.

**HIS 359. The City In United States History. 3 credits. (Same as AMS 359)**

This course examines the development of urban areas in the United States during the 19th and 20th centuries. Of particular concern are the elements of urban architecture, economics, politics, demographics, and violence. To go beyond the generalizations of the assigned readings, the city of Omaha will be used as a laboratory for investigating these themes in a specific setting. P. So. stdg.

**HIS 367. The African-American Experience. 3 credits. (Same as BKS 367)**

Slavery, emancipation, "separate but equal", and the drive for full equality. P. So. stdg.

**HIS 371. Mexico And The Mexican Revolution. 3 credits.**

The first true social revolution in Latin America considered in its historical background, its violent eruption, its sweeping changes and its contemporary direction. P. So. stdg.

**HIS 372. Equality, Minorities, And Public Policy. 3 credits. (Same as AMS 372, BKS 372, PLS 372)**

Incorporates continuing discourses between a historian and a political scientist. Exploration of the political processes whereby minorities have influenced the formulation and implementation of policy and governmental responses to demands for equal treatment. P. So. stdg.

**HIS 374. The Politics of Heredity: Eugenics in America. 3 credits.**

This course examines the closely intertwined histories of eugenics and medical genetics. From a progressive vision with elite scientific backing, to a horrific social program, conceptions of eugenics have changed significantly over the past century. Students will examine the extent of which genetic medicine reflects a continuation of eugenic expectations. P. One Magis Core Contemporary Composition course, one Magis Core Global Perspectives in History course, and one Magis Core Ethics Course.

**HIS 375. The United States And Latin America. 3 credits.**

The "special relationship" between the United States and the nations of Latin America, from the foundations of the Monroe Doctrine and Manifest Destiny to U.S. hemispheric hegemony, the Response to Revolution, and benign neglect. Special emphasis on current inter-American issues and developments. P. So. stdg.

**HIS 376. Spain and its Empire since 1492. 3 credits.**

The year 1492 was a watershed for the Spanish Monarchy: the beginnings of empire, the expulsion of the Jews and the end of Moorish rule. Yet contemporary Spain, far from intolerant, has become a model EU state. This course will explore the history of Inquisition, civil war, dictatorship, and transition to democracy. P. Soph. stdg.

**HIS 384. Black History Through Literature. 3 credits. (Same as BKS 384)**

History of Americans of African descent as found in journals, novels, and other literary forms. P. So. stdg.

**HIS 388. Origins of Modern Africa. 3 credits. (Same as AFS 388, BKS 388)**

Examination of the European impact on Africans and their institutions. P. So. stdg.

**HIS 390. Biography as History. 3 credits.**

Studies of the lives of individuals who made significant impacts on their age and the world. Course will be subtitled in the Schedule of Courses. P. So. stdg.

**HIS 393. United States Military History. 3 credits. SP**

Survey of American military history. Examination of the relationships among the military establishments, the wars and the societies that fostered them in order to understand the nature of war and military policy. P. So. stdg.

**HIS 395. Selected Topics. 3 credits. OD**

Topical approach to select problems in history as chosen by the department. Course will be subtitled in the Schedule of Courses. May be repeated under different subtitles. P. So. stdg.

**HIS 398. History of Sexuality. 3 credits.**

This course will explore the History of Sexuality with particular attention to Modern European contexts. This course will be taught in four modules that cover theoretical foundations, the production of sexual knowledge, early modern understandings, and modern subjectivities. We will track the ways in which sex is used in conjunction with other categories to mark and "other" individuals within the body politique. P. One Magis Global Perspectives course.

**HIS 400. Novel Ecologies: History, Literature, and Environmental Crisi. 3 credits. (Same as ENG 400)**

This course will challenge students to identify the underlying assumptions of conservation practice in western and non-western contexts and explore how they have changed over time. Using case studies from New Zealand and Nebraska, it will emphasize the natural-cultural consequences of settler colonialism, globalization, and the history of ecological thinking, and deepen awareness of the social and ecological roots of environmental crises, the diversity of ecological worldviews on local and global scales, and foster engagement with issues of social and ecological justice. Prereq: Critical Issues in Human Inquiry; Instructor approval. CO: BIO 189.

**HIS 401. Greek History To The Peloponnesian War. 3 credits. AY, FA (Same as CNE 401)**

The political and social history of Greece, with excursions into its material culture, from prehistoric times through the end of the Peloponnesian War.

**HIS 402. Intersections: History of Disability. 3 credits.**

This course explores evolving understandings of disability since the mid-19th century, including what constitutes disability, and how society should respond. Disability has long been conceptualized within two broad frameworks: medical models and social models. Medical models present disability as an abnormal and undesirable condition, often associated with specific disease categories. Social models understand disability as resulting from various choices and assumptions that have been made in building the physical environment and social world. This course examines the history of disability by engaging with these models, and considering the strengths and weakness of each in making sense of disability, its causes, and the responsibility of society to respond and provide support. P. One Magis Core Critical Issues in Human Inquiry course, One Magis Core Oral Communication course, One Magis Core Contemporary Composition course; Senior standing.

**HIS 403. The Roman Republic. 3 credits. AY, FA (Same as CNE 403)**

The political and social history of Rome with excursions into material culture covering developments from the Bronze Age to the end of the Roman Republic. Some emphasis will be placed on the political structures of the Republic, both in seeking the antecedents of the American constitution and in analyzing the causes of the Republic's fall. P. So. stdg.

**HIS 404. The Roman Empire. 3 credits. (Same as CNE 404)**

The political and social history of the Roman Empire, with excursions into its material culture, from the Age of Augustus through the reign of Constantine the Great. Emphasis will be placed on the provinces and the diverse ethnic groups within the Empire. P. So. stdg.

**HIS 405. Gender and Sexuality: A Non-Western Perspective. 3 credits.**

This course seeks to open a rigorous dialectical conversation between the theories, conceptions, and expectations of gender and sexuality as they have developed in the Western world, and the ways in which these notions have been applied or misapplied historically to cultures outside of the "West," primarily in Asia. Students can expect a week-by-week rigorous exploration of gendered forms and sexual practices in various cultures throughout East, Southeast, and South Asia, which are meant to test the limits and applicability of Western concepts of gender and sexuality in non-Western historical case studies. There will also be a particular emphasis on the asymmetrical power relations of empire that are often predicated upon notions gender, and ubiquitously seek to alter, exploit, or save and civilize gendered subjects and control sexuality. P. Critical Issues in Human Inquiry course, Global Perspectives in History course.

**HIS 406. FLPA to Hawaii and the Philippines: Empire in the Pacific. 3 credits.**

This intensive 5 week study abroad experience will occur in five phases: week 1 will consist of an online preparation component including readings and discussion; week 2 takes place in Hawaii; weeks 3 and 4 will occur in the Philippines; and week 5 will be a follow-up online conclusion to the course. Students can expect to look closely at first hand evidence and circumstances of empire in Hawaii and the Philippines, including texts, monuments, the environment, and perhaps most importantly, the human experience. P. Critical Issues in Human Inquiry course.

**HIS 407. The Early Middle Ages. 3 credits.**

Western Europe, A.D. 300-1050. Topics include the barbarian migrations, the Christianization of Europe, Charlemagne and the "First Europe," fragmentation of the Carolingian empire, western relations with Byzantium and Islam, the origins of feudalism and manorialism, and the rise of the Normans. P. So. stdg.

**HIS 408. The High And Late Middle Ages. 3 credits.**

Includes the origins of the nation-state, the Church, conflicts between the Church and secular states, medieval heresies, chivalric society and culture, universities and scholasticism, the Black Death, the commercial revolution, and the Hundred Years War. P. So. stdg.

**HIS 409. The Crusades: A Mirror Of Medieval Society. 3 credits.**

A study of the Crusading movement and its impact upon medieval society. Topics will include the political and religious background of the First Crusade; establishment of the Crusader States; popular participation in the Crusades; and economic results of the conflicts between Christians and Moslems. P. So. stdg.

**HIS 411. The Renaissance. 3 credits.**

The late 14th and early 15th centuries was a time of decay in Western Europe. Depression, war, rebellion, political anarchy, religious heresy, and epidemic disease - all seemed to spell doom for Western society. Out of it came an unparalleled rebirth of European cultural, economic, and political systems known to historians as the "Renaissance." This course follows Europe's 14th century disasters and its 15th century recovery. P. So. stdg.

**HIS 412. The Reformation. 3 credits.**

Europe during the years of the Protestant Reformation, the Catholic Counter-Reformation, and the Thirty Years War. A period of the emergence and growth of new religions and the reform of Catholicism, violent social upheaval, enormous economic expansion, international dynastic rivalry, and internal competition for sovereignty in Europe and the British Isles. P. So. stdg.

**HIS 415. 19th Century Europe. 3 credits.**

The theme of this course is the transformation of Europe from the old regimes-torn by revolution-to modern, urban-industrial societies of the contemporary age. The focus will be on general trends and significant particulars in politics, in economic and social developments, and in cultural and intellectual life. The course will examine topics like: the postrevolutionary triumph of reaction and the rise of modern conservatism; the economic and social consequences of the first and second industrial revolutions; the spread of the culture of materialism; the triumph of political liberalism; and Europe's fin de siècle. P. So. stdg.

**HIS 416. Russia's Revolutions. 3 credits. FA**

Revolution of 1905; World War I; Revolutions of 1917; Allied intervention; Civil War; NEP; Stalin-Trotsky rivalry; Stalin and the Second Revolution; World War II; relations with Eastern Europe, Asia, and the United States; internal political, economic, and literary movements from Khrushchev and Brezhnev through Gorbachev, Yeltsin, and Putin. P. So. stdg.

**HIS 417. 20th Century Europe. 3 credits.**

Europe in the throes of change. A civilization caught up in a rapid succession of wars, revolutions, economic and social crises - and ultimate renewal under radically altered domestic and world conditions. Along with high politics and diplomacy, world wars, Communist and Fascist revolutions, the course focuses on everyday preoccupations of ordinary people and the increasing significance of their aspirations and values in Europe since 1945. P. So. stdg.

**HIS 418. Great Empires of the Near East. 3 credits. (Same as CNE 418)**

This course will examine the history, culture, and society of the peoples of Mesopotamia, including the Sumerians, Akkadians, Babylonians, Assyrians, Hittites, and Persians. Focus will be given to their distinctive institutions and world-views and how these are expressed through their cultural artifacts and social system.

**HIS 419. Ancient Egypt: History, Society and Culture. 3 credits. (Same as CNE 419)**

This course will explore the history, society, economy, and religion of ancient Egypt from the predynastic era through the Ptolemaic period, as revealed through its artistic and material remains. Attention will be given to how sculpture, painting, architecture, and other material remains provide a window on Egyptian life and thought.

**HIS 420. Selected Topics In Ancient History. 3 credits. OD (Same as CNE 420)**

Topical approach to select problems or special periods in ancient history. Course will be subtitled in the Schedule of Courses. Course is repeatable as long as subtitle is different. P. So. stdg.

**HIS 421. The Vikings. 3 credits.**

Scandinavian history from settlement through c. 1300, focusing upon the age of Viking expansion from the late 8th through 11th centuries. P. So. Stdg.

**HIS 431. Mathematical History, Philosophy And Ethics. 3 credits. (Same as MTH 431)**

An examination of mathematics and mathematical ideas and their relation to philosophical and ethical views from the ancient Babylonians and Pythagoreans to the present. Special attention will be given to non-Western mathematics, ethnomathematics, twentieth-century game theory, encryption, and ethical issues facing the mathematician and society in the past and today. The course assumes no mathematical background beyond the Core E requirements. P. Sr. stdg.

**HIS 435. Digital Cultures. 3 credits.**

This course explores the history of computing from multiple perspectives to understand how factors of race, gender, class, and region have led digital technologies to become a powerful social phenomenon embedded in political, justice, and cultural struggles. P. Global Perspectives in History course.

**HIS 449. American Colonies. 3 credits. (Same as AMS 449)**

Considers the European colonization of North America and the cultural, economic, political, and social development of the American colonies to 1763. Emphasis on cultural encounters and the transformation of Europeans into provincial Americans. P. Soph. stdg.

**HIS 450. Revolutionary America. 3 credits. AY**

Considers the movement for independence and the struggle to establish and secure the new nation between 1763-1789. Emphasis is placed on factors which drove the colonists toward independence, the representation of their grievances and political philosophy in the Declaration of Independence, and the events surrounding the writing and adoption of the Constitution. P. So. stdg.

**HIS 451. The Early American Republic. 3 credits.**

Explores implementation of the Constitution, creation of the Bill of Rights, formation of the first political parties, and roles of key figures such as George Washington, John Adams, Thomas Jefferson, and Andrew Jackson in the period between 1789 and 1850. Also considered are the democratization process, reform movements, nationalism, slavery, and that sectionalism which led to the Civil War. P. So. stdg.

**HIS 452. Civil War and Reconstruction. 3 credits.**

Development of the controversies resulting in the Civil War. The War. Political and economic reconstruction after the war. P. So. stdg.

**HIS 453. Foreign Relations of The United States, 1898-1945. 3 credits.**

Analysis of the domestic and international forces that confronted the United States between 1898 and 1945, and how these forces shaped American foreign relations from the Spanish-American War through World War II. P. So. stdg.

**HIS 454. The Progressive Era In The United States, 1901-1920. 3 credits.**

The United States at the beginning of its imperial age. Topics include the Age of Big Business; protest and reform; the United States and the First World War; the Red Scare. P. So. stdg.

**HIS 455. Foreign Relation US Since 1945. 3 credits.**

Analysis of the Cold War through the end of the Soviet Union, and U.S. foreign policy in the 21st century. The "containment" policy and alliance system after World War II through the crises, challenges, failures, and successes of U.S. foreign relations from 1945 to the present. P. So. stdg.

**HIS 456. The Vietnam War and Public Memory. 3 credits.**

Arguably America's most controversial war, Vietnam is as much a study of "fact" as "memory." This course explores the Vietnam War in American "history" and American public memory. The physiology of memory, the theoretical constructs of public memory, the role of myth in memory and the competing interests in public memory will be studied. By the end of the course, students will be able to separate fact from fiction in the historical accounts, identify the roots of various myths, analyze the factors that keep the myths alive, and explain why the myths persist despite evidence to the contrary.

**HIS 457. The United States and Vietnam. 3 credits.**

This seminar seeks to explore the origins and decades of American involvement in Vietnam. The course puts American involvement in Vietnam in the context of the Cold War. Therefore, the origins of the Cold War, the "fall" of China, and the Korean War will be discussed, as well. P. So. stdg.

**HIS 458. The Sixties. 3 credits.**

A course on the social, economic, cultural, and political developments in the United States between 1960-1974. Topics include JFK and the New Frontier, LBJ and the Great Society, the Nixon presidency and Watergate, the war in Vietnam and the Movement, and the counterculture. P. So. stdg.

**HIS 459. Recent United States History. 3 credits.**

A course on recent social, economic, cultural, and political events in the United States, 1974-present. Topics include the malaise of the 70s, the Reagan Revolutions, the end of the Cold War, and issues of the 90s in historical perspective. P. So. stdg.

**HIS 460. The History Of Women In The United States. 3 credits. (Same as AMS 460)**

The economic, social, and political status of women in the United States from colonial times to the present. Concentration on four major topics: the family, the workplace, the community, and the feminists movements. An integral part is the examination of the traditional roles of women in society as well as changes in those roles. P. So. stdg.

**HIS 461. History and Gender. 3 credits.**

This course stresses the diversity of gender theory and the application of those theories to the practice of history. It also questions the possibility of gender justice across time and in our own communities. P. One Critical Issues in Human Inquiry course; Senior standing.

**HIS 462. History of Southeast Asia. 3 credits.**

Course explores the rich global history of Southeast Asia. Begins with a careful and detailed examination of the region's cultural foundations, both mainland and insular, and then examines the successive cultural and political waves that have washed over the region to form its unique and diverse history – Indic, East Asian, Arabic, Western, and post-colonial. Southeast Asia is truly the crossroads of the world.

**HIS 464. Gender and Sexuality in Asia. 3 credits. (Same as WGS 464)**

Focus on the role and status of women in China and Japan since the 16th century, emphasizing how, why and by whom womanhood has been defined and redefined over time. P. So. stdg.

**HIS 465. Japanese Popular Culture. 3 credits.**

In this course, we will examine various aspects of Japanese popular culture from the Tokugawa period, through the imperial era (1868-1945), to the postwar/contemporary time (1945-present), though more emphasis is put on postwar Japan. Critical analysis of different forms of cultural production, from the theoretical and thematic perspectives of class, gender, globalization, modernity, national/racial/ethnic identity, sexuality, invented traditions, and war memory, will provide insight into Japanese history, culture, and society. P. So. stdg.

**HIS 467. Modern China. 3 credits.**

Course takes a deep and highly analytical look at the creation and function of Modern China. Begins with an examination of Chinese cultural foundations and then picks up with the Yuan Dynasty and Chinese resistance, the genesis of modern Chinese national identity. The Course then covers the challenges of Western intrusion, communist reclamation, and the rise of China as a potential super power. P. So. stdg.

**HIS 468. Modern Japan. 3 credits.**

Few topics captivate historians more than Japan's remarkably rapid and "successful" transformation from an isolated agrarian society to a modern world power. In the past 130 years, that small archipelago on Asia's eastern fringe experienced political, economic, diplomatic, socio-cultural as well as intellectual change on a scale unprecedented in human history. This course pays particular attention to the ways in which ordinary people's lives were affected (or unaffected) by the forces that underlay national change. P. So. stdg.

**HIS 470. Conquest, Slavery and Piracy in the Atlantic World, 1492-1825. 3 credits.**

How did the indigenous of the New World interact with Europeans during their initial encounters? This course analyzes the colonial Atlantic world—the intertwined history of four continents connected by commercial, ecological and cultural exchanges. Themes explored include imperialism, identity, slavery, religion and the emergence of revolutionary politics. P. So. stdg.

**HIS 471. Atlantic Revolutions and Empires. 3 credits.**

Across the Americas between 1775 and 1825, revolutionary wars profoundly shaped the new nations, identities and cultures that replaced European Atlantic empires. This course will examine how Enlightenment ideas, slave rebellion and radical politics set the stage for revolutions from the U.S. to France, Haiti, Spain and Spanish America. P. So. stdg.

**HIS 475. Medieval and Modern Religious Pilgrimage: Walking Spain's Camino de Santiago. 3 credits.**

This course, taught in English, examines the history, culture, and literature of Spain and will focus on the concept of religious pilgrimage from interdisciplinary perspectives. Students will take a journey with personal and spiritual dimensions by walking the Way of Saint James to Santiago de Compostela. P. Senior standing, or IC, One Critical Issues in Human Inquiry course.

**HIS 476. Historiography of Science and Medicine. 3 credits.**

This course explores changing ways in which historians have examined the history of science and medicine over the last century. Students will consider various approaches to producing facts and theories, and achieving objectivity. They will also look at differing perspectives on scientific and medical knowledge, including realism and constructivism. P. One Magis Core course in Global Perspectives.

**HIS 477. Science and Medicine in Social Context. 3 credits.**

This course explores changing ways in which historians have examined the history of science and medicine over the last century. Students consider various approaches to conceptualizing reality, objectivity, facts and knowledge in science and medicine. As part of this, students examine the social nature of the scientific nature of the scientific and medical fields, with a focus on the relevance of gender, race, disability, ethics, power, prestige, and consumerism in these disciplines. Satisfies Magis Intersections; Magis Designated Written Communication. P. Contemporary Composition; Critical Issues in Human Inquiry.

**HIS 478. Jerusalem in History. 3 credits.**

Analyzes the Jewish, Christian, and Islamic histories of Jerusalem from biblical times until the present. Examines the ways each faith has made its claim upon the holy city. Topics include the Davidic city and the Temple of Solomon, the Byzantine interlude, the coming of Islam and the Dome of the Rock, the Crusades, and the place of Jerusalem in modern Jewish and Palestinian nationalisms. P. So. stdg.



**HIS 479. The Making of Modern Egypt. 3 credits. SP**

This course focuses upon the political, social, and cultural history of modern Egypt from the early 19th century to the consolidation of the Nasser revolution in the 1960s. Topics include Napoleonic expedition; Mohammad Ali dynasty and the British occupation; Islamic reform; the "liberal era"; the Muslim Brotherhood; and free officers. P. So. stdg.

**HIS 482. Race In America: Idea And Reality. 3 credits. (Same as AMS 482, BKS 482, PHL 482, PLS 482)**

An examination of the idea and reality of race during key phases of U.S. history, with an emphasis on the contemporary situation. To understand the multiple meanings and experiences of race, the course draws on sources from science, literature, law, and philosophy. P. Philosophical Ideas course.

**HIS 483. History of Environmental Inequalities. 3 credits.**

This course explores the connections between environmental change and human inequality from the early modern period until today. It reaches across local and global scales, drawing on local case studies to emphasize global historical themes such as the roles of colonialism, segregation, and economic vulnerability. This service-learning course will introduce students to a variety of theoretical tools to understand environmental justice and explore their implications on the ground. Student will use these tools and experiences to better interrogate their own social and environmental position. P. Critical Issues in Human Inquiry course; senior standing.

**HIS 484. Nationalist Movements in Colonial Africa. 3 credits. (Same as AFS 484, BKS 484)**

Case studies of the development and course of selected nationalist movements in European-ruled Africa. P. So. stdg.

**HIS 486. Women and Gender in Africa. 3 credits.**

A study of the roles and representations of women and gender as conceptual and analytical categories in African history and society. P. So. Stdg.

**HIS 488. Global Environmental History. 3 credits. (Same as EVS 488)**

What has been humanity's role in changing the face of the earth? What part has the environment played in shaping human history? These questions drive the study of environmental history. This course surveys the history of humanity's ever-changing relationship with nature, from fire-wielding hunter-gatherers to the present. It emphasizes new global perspectives on environmental history and focuses on themes such as agroecology, invasion, sustainability, energy, urbanization, and empire. It will also introduce students to the diverse methods of investigating our environmental past including documentary and material sources, natural archives, and geospatial analysis. P. Critical Issues in Human Inquiry; Contemporary Composition; Oral Communication; Ethics; Senior standing.

**HIS 489. Southern Africa: The Politics of Race. 3 credits. (Same as AFS 489, BKS 489)**

Examination of the historical development of the social and political structures of modern Southern Africa. Primary focus on South Africa, Rhodesia-Zimbabwe, and Namibia. Analysis of the place of "race" in national policies. Includes apartheid, black nationalism, decolonization, guided democracy, and the interrelationship between economic developments and the social and political systems. P. So. stdg.

**HIS 490. Advanced Research Methods. 3 credits.**

This capstone course reinforces high-level skills in historical thinking, historical methods, and historiographical studies developed in other courses in the program. Students produce a significant and original work of historical research based on both primary and secondary sources. The specific topic of study varies by instructor. P. HIS 310; Contemporary Composition course; Oral Communication course; Ethics course.

**HIS 493. Directed Independent Readings. 1-3 credits. OD**

May be repeated to a limit of six hours. P. DC.

**HIS 495. Directed Independent Research. 1-3 credits.**

This course allows students to participate in a self-directed research project under the guidance of a History faculty member.

**HIS 497. Directed Independent Research: Writing for Publication. 1-3 credits. OD**

Directed Independent Research focused on Writing for Publication.

**HIS 498. History Practicum. 1-3 credits. OD**

May be repeated to a limit of four hours. This course is graded Satisfactory/Unsatisfactory. P. DC.

**HIS 524. History of Ancient Israel. 3 credits. OD (Same as CNE 524, THL 524)**

An examination and reconstruction of the history of ancient Israel from biblical and other ancient near eastern literary texts, and from archaeological and epigraphic materials. P. THL 100 and a 200-level Scripture course and Jr. stdg.

**HIS 541. War and Society Modern World. 3 credits.**

A survey of military history from the 18th century up to and including current theories concerning future conflict to be waged with nuclear weapons.

**HIS 542. The Rise of the Irish Free State. 3 credits.**

Irish nationalism and independence movements, 1890-1923. Topics include the Irish Renaissance, Home Rule, the origins of Sinn Féin and the IRA, women's political organizations, the Easter Rising of 1916, the Anglo-Irish War, Partition, and the Irish Civil War. Special attention will be given to Irish depictions of this pivotal era in literature, film, and music. P. So. stdg.

**HIS 544. History of Ireland. 3 credits.**

Course in the historical evolution of the Irish people and nation. Topics include the pre-Christian period, migrations and settlements of peoples into Ireland and abroad from Ireland to create the Irish diaspora, the Elizabethan Wars, and the Great Famine. Irish nationalism, the emergence of the Irish Republic, and recent developments in the Irish Republic and Northern Ireland. P. So. stdg.

**HIS 546. Modern Germany. 3 credits.**

Rise of Prussia and Austria; the impact of revolution and reaction; the Austro-Prussian dualism; Bismarck and the new nation-state; the Wilhelminian era and its crises; the republican experiment; Germany's rise and fall under Hitler; postwar division and reunification as Federal Republic. P. So. stdg.

**HIS 547. Postwar Europe. 3 credits.**

Examination of Europe since 1945; the partition and reorganization of Europe under American and Russian auspices; political and economic reconstruction in East and West; the quest for unity in the West; social and cultural changes; successes and failures of the new society. Emphasis on Western Europe. P. So. stdg.

**HIS 551. The Rise and Fall of Europe's Empires. 3 credits.**

This course will analyze the height of European imperialism from 1800 to 1960. Themes explored include how European nations came to dominate the globe and the rapid transition to decolonization after World War II. In addition, emphasis will be placed upon issues of nationalism, racism and economic development. P. So. stdg.

**HIS 565. The United States and Canada. 3 credits. FA**

A phrase coined in the 1940s, are Canada and the United States still "the Siamese Twins of North America who cannot separate and live"? The U.S. and Canada are each other's greatest trading partner, are jointly responsible for continental security, and are fiercely committed to their own independence. But the U.S.A. invaded Canada three times, called itself the "Army of Occupation" during World War II, and "lost" draft-dodgers to Canada during the Vietnam War. In an age of regional trading blocs and continental integration, explore the relationship between these neighbors that share the world's longest undefended border. P. So. stdg.

**HIS 567. Change And Revolution In The Middle East. 3 credits.**

An examination of social, economic, and political change in the Arab Middle East in the twentieth century. Topics include Arab nationalism and the struggle against Western domination, the rise of authoritarian regimes in Egypt, Iraq, and Syria, the challenge of Islamic fundamentalism, and the prospects for democratic reform in the region. P. So. stdg.

**HIS 577. Cuba Under Castro. 3 credits.**

The roots of the revolution from the earliest days of Cuban independence through the frustrated movements of 1933. The emergence of Fidel Castro and his M-26 rebellion in the overthrow of Batista. Castro's revolutionary domestic and international programs and the continuing controversies surrounding them. P. So. stdg.

**HIS 585. Public History Internship. 1-6 credits. OD**

A supervised on-the-job experience at government or private agencies in applying historical knowledge and methods to cultural resources management, museum and/or archival work, historic preservation, and other areas of public and applied history. HIS 585 may be taken twice for a total of 6 credit hours, but only 3 of those hours may be used toward the history major. P. HIS major; Jr. stdg.; DC.

**HIS 593. History of India. 3 credits.**

A comprehensive analysis of India from pre-Aryan times to the present. Topics include Indian religions; Mogul Empire, Emperor Asoka; the Sikhs; Westerners to India and British colonization; the Carnatic and the Anglo-Afghan Wars; 1857 Mutiny; Indian nationalism, Rabindranath Tagore, Congress party, Motilal and Pandit Nehru, and Mohandas Gandhi; Muslim League and Muhammad Ali Jinnah; the dilemma of Kashmir; relations with Pakistan and the United States, Indira Gandhi and the Sikhs. Rajiv Gandhi, contemporary politics. P. So. stdg.

**HIS 595. Special Problems in History. 3 credits. OD**

Course will be subtitled in the Schedule of Courses. May be repeated to a limit of six hours.

**HIS AP0. History AP Credit. 3-21 credits.****HRS 100. Honors Foundational Sequence I: Beginnings of the Christian Intellectual Tradition. 3 credits.**

A study of the beginnings of the Christian intellectual tradition. Students acquire an ability to situate the Christian intellectual tradition within the complex cultural context of the ancient Mediterranean world and the Near East. P. Only open to students in the Honors Program.

**HRS 101. Honors Foundational Sequence II: The Rise of the West. 3 credits.**

A study of the development of Christianity from antiquity through the Reformation, and of its fundamental role in forming and fracturing the broad intellectual underpinnings of Western civilization. P. Only open to students in the Honors Program.

**HRS 200. Honors Foundational Sequence III: The Modern World. 3 credits.**

A study of the challenges posed by modernity to traditional Christian understandings of the world, and of Christianity's responses to these challenges. P. Only open to students in the Honors Program.

**HRS 301. Sources and Methods: The Epistemology of Political Science. 3 credits.**

This course is an introduction to the study of politics. The focus will be on methods in the social sciences. That is, we are going to consider ways of knowing in political science. How do we know? The seminar will necessarily deal with paradigms, particularly how paradigms establish both ontological and epistemological bases for research and in so doing establish the boundaries of a discipline. P. Only open to students in the Honors Program.

**HRS 305. Sources and Methods: Intelligence: Multiple Perspectives. 3 credits.**

This Sources and Methods course explores the concept of intelligence from a variety of psychological perspectives. Students will be introduced to the science of psychology and its methodologies using the study of intelligence as the unifying theme. They will read scientific articles, books, and articles from the popular press. P. Only open to students in the Honors Program.

**HRS 306. Sources and Methods: Organizational Learning: Finding Your Place in the World. 3 credits.**

This Sources and Methods course focuses on organizational communication and narrative inquiry as a unique means for understanding the world and our places in it. Students draw upon the elements of human agency (Burke) to reflect on how organizational assimilation (socialization and individualization) occurs and how they, as individuals, learn about, interpret, influence, and create organizational change through continuous learning processes. P. Only open to students in the Honors Program.

**HRS 307. Sources and Methods: Writing Our Lives: Identity and Culture in Personal Writing. 3 credits.**

This Sources and Methods course invites you to study and practice personal writing in forms ranging from essay to memoir to criticism. P. Only open to students in the Honors Program.

**HRS 308. Sources and Methods: The Theology of Medieval Women. 3 credits.**

This Sources and Methods course introduces students to the theology and spirituality of medieval women. P. Only open to students in the Honors Program.

**HRS 309. Sources and Methods: Philosophy and Economics: Method and Horizon of Discourse. 3 credits.**

This Sources and Methods course uses Veblen's critique of the foundations of neoclassical economics as an approach to broader questions involving the philosophy of social science, the history of economic thought, the anthropology of economic life, critical social theory, political theory, the history of ethics, and economic history. P. Only open to students in the Honors Program.

**HRS 310. Sources and Methods: Metaphysics of Film. 3 credits.**

This Sources and Methods course explores the multiple senses of "film" (long strip of plastic, cinematic art object, separated form, means of understanding the structure of the World) as an approach to the most basic branch of academic philosophy: metaphysics. The course involves a mixture of film viewing, critical reading, classroom discussion and lecture, and on-line activities. P. Only open to students in the Honors Program.

**HRS 311. Sources and Methods: Graph Theory. 3 credits.**

This Sources and Methods course is an introduction to what is arguably the best modeling tool ever invented. Graph theory plays a very important role in many fields, including mathematics, computer science, game theory, and project management. Students will conduct research on graph theory to experience the very process of the research itself. P. Only open to students in the Honors Program.

**HRS 313. Sources and Methods: European Literary Modernism. 3 credits.**

This Sources and Methods course concerns 20th century European writers of the Modernist movement who consciously broke with 19th century literary traditions in the effort to "make it new" through experimentation in poetry, fiction, and drama. P. Only open to students in the Honors Program.

**HRS 314. Sources and Methods: This View of Life -Evolutionary Biology. 3 credits.**

This Sources and Methods course in the Honors Program examines the fundamental concepts of modern evolutionary biology and how they are studied. Students examine the nature of science; the distinction between science and pseudoscience; types of explanation, modes of reasoning, and levels of analysis; and ways by which evolutionary hypotheses may be tested. P. Only open to students in the Honors Program.

**HRS 315. Sources and Methods: Imagination to Invention. 3 credits.**

This Sources and Methods course in the Honors Program examines the nature of chemistry as a discipline: what makes it unique, and what unites it to other disciplines? In particular, the course investigates the origin of ideas and concepts in chemistry, and seeks to relate them to basic principles of creative thought. P. Only open to students in the Honors Program.

**HRS 316. Sources and Methods: American Identity in the World. 3 credits.**

This Sources and Methods course in the Honors Program examines the ways in which Americans construct themselves and are constructed by others elsewhere in the world. The course explores the ideologies and rhetorical strategies, as well as the material realities and lived experiences, at work in defining what it means to "be" and American, both for those residing in the U.S. and for those who have never set foot on U.S. soil. P. Only open to students in the Honors Program.

**HRS 317. Sources and Methods: European Metropolis 1900. 3 credits.**

This Sources and Methods course in the Honors Program is an introduction to the techniques of cultural history. It examines the creation and experience of European capital cities during the turn of the twentieth century, paying particular attention to the artistic and technological innovations that marked this critical period of urbanization. P. Only open to students in the Honors Program.

**HRS 318. Sources and Methods: Animals, Persons, and Ethics. 3 credits.**

This Sources and Methods course in the Honors Program introduces philosophical methods by way of the study of the nature of animals, the nature of persons, and the ethical dynamics between persons and animals. The course draws on literary and philosophical texts, ethological studies, and films to examine the complex ethical, social, and metaphysical relationships between persons and animals. P. Only open to students in the Honors Program.

**HRS 319. Sources and Methods: The Psychology of Stereotyping, Prejudice and Intergroup Conflict. 3 credits.**

Students will develop a scientific understanding of the complex phenomena of stereotyping, prejudice and intergroup conflict by examining how stereotypes are developed and maintained as a result of basic social and cognitive processes and evaluating the various approaches and methods used to research stereotyping in psychology. P. Only open to students in the Honors Program.

**HRS 320. Sources and Methods: Cosmology and our Evolving Understanding of the Universe. 3 credits.**

This course is an exploration of humanity's ever-changing perception of the universe from the ancient Babylonians to today. We'll cover roughly 3000 years of evolving thought, examining four distinct eras of cosmology: the era of myth/philosophy, the era of enlightenment, the era of revolution, and the era of understanding. We will examine how paradigms shift and how our understanding of the universe has grown enormously in the last century. The course will culminate with a scientific yet non-technical description of the standard big bang model of cosmology along with the observational and theoretical evidence that supports it. P. Only open to students in the Honors Program.

**HRS 322. Sources and Methods: The Catholic Church and Latin America. 3 credits.**

The Roman Catholic Church has been present in Latin America for over 450 years. Initially an active participant in the conquest and domination by European powers, the Church has fundamentally changed its mission and doctrine over the past 50 years. Students will be introduced to Latin American history and Roman Catholic ecclesiology using the development of doctrine as the unifying theme. They will read primary sources in English and Spanish, books, articles, and scholarly journals. P. Only open to students in the Honors Program.

**HRS 324. Sources and Methods: Classics of Social Theory: Positivism and its Discontents. 3 credits.**

This course illuminates the common origin of the social sciences in the intellectual currents of the late 19th and early 20th centuries, focusing especially on the texts of Freud, Marx, Weber, Durkheim, Levi-Strauss, and Saussure. Students reflect on what we mean by "social," "modernity," "science," "the family," "language," and "the psyche." P. Only open to students in the Honors Program.

**HRS 325. Sources and Methods: Evolution and Human Behavior. 3 credits.**

Students will be introduced to the science of psychology and its methodologies using the theories of evolutionary psychology. They will read scientific articles, books, and articles from the popular press. The primary assumption is that the human mind and behavioral predispositions have been shaped by the process of natural selection throughout our evolutionary past. P. Only open to students in the Honors Program.

**HRS 326. Sources and Methods: Gender in Classical Antiquity. 3 credits.**

By reading and interpreting primary and secondary sources, students examine Greek and Roman ideas about gender including how gender roles governed men and women's lives; how the ancient Greeks and Romans defined and used gender categories in literature, politics, law, religion, and medicine; and how these ancient ideas inform contemporary ones. P. Only open to students in the Honors Program.

**HRS 327. Sources and Methods: Greek Tragedy: Texts, Contexts, Subtexts. 3 credits.**

This Sources and Methods course is an introduction to a crucial genre in Western literature. Students will: read the majority of extant Greek tragedies; understand the historical and material circumstances under which the plays were created and performed; and tackle the "macro" interpretive questions to which they give rise. P. Only open to students in the Honors Program.

**HRS 328. Sources and Methods: Critical Perspectives of Disability and Society. 3 credits.**

Disability is usually viewed as a condition of personal deficit, misfortune, and shame. This course will question practices and discourses through which these negative perceptions are generated and reinforced. Students will explore models of disability, reinterpretations of human variation, and narrative methods used to investigate the personal experience of disability. P. Only open to students in the Honors Program.

**HRS 329. Sources and Methods: In Search of the Promised Land: Religion and Place in America. 3 credits.**

This course will examine the quest for the Promised Land in diverse religious communities with a particular emphasis on religion and place. Issues for consideration include concepts of home and sacred space, religion and nature, the faith and practices of exile communities, and the influence of border culture on religion. P. Only open to students in the Honors Program.

**HRS 330. Sources and Methods: Christian and Jewish Theology after the Holocaust. 3 credits.**

In the decades following the Holocaust, the reality of evil, the power and benevolence of God, the nature of covenant, and other key theological concepts became points at which traditional Jewish and Christian theologies were challenged and defended. This course will investigate these challenges, focusing on the central concept of covenant. P. Only open to students in the Honors Program.

**HRS 331. Sources and Methods: Representations of Piracy from 1600 to the Present. 3 credits.**

This course examines representations of piracy from 1600 to the present. It considers the process by which pirates have become romanticized rather than censured figures as well as how the idea of piracy functions in terms of the illegal reproduction of various forms of media. P. Only open to students in the Honors Program.

**HRS 333. Sources and Methods: The Renaissance Artist. 3 credits.**

The artist and art historian Giorgio Vasari was the first to use the term "Renaissance" to describe the cultural movement that ran through Europe from approximately 1300-1550. Since then, countless historians in many fields have sought to make sense of the happenings in those centuries, many focusing on the era's chief protagonist: the Renaissance artist. In this class we will undertake a close study of the surviving documents of Renaissance art literature in an effort to understand better how the men and women of the Renaissance conceived of their time and their world. P. Only open to students in the Honors Program.

**HRS 334. Sources and Methods: Green Chemistry and Sustainability. 3 credits.**

Chemistry has had many positive impacts on society, such as the development of medicines and many items we take for granted. Many of these items have come at a cost to the environment. Green chemistry considers human beings, our surroundings, and the environment when designing a chemical reaction, experiment, or process. P. Only open to students in the Honors Program.

**HRS 335. Sources and Methods: Not Lost in Translation. 3 credits.**

This Sources and Methods course in the Honors Program looks at how the Bible has been translated from antiquity to the modern world. Students will situate selected versions and translators within their historical, social, cultural, political, and religious contexts. They will also learn how to identify and evaluate differing styles of translation. In addition, students will become familiar with the nuances of different contemporary English versions and will come to recognize how important these differences can be to discussions of topics such as the environment, sexuality, and war. It is not expected that students in this class will have knowledge of either of the major languages in which the Bible was composed, Hebrew and Greek. P. Only open to students in the Honors Program.

**HRS 336. Sources and Methods: Theory, Method and Art of Autoethnography. 3 credits.**

Autoethnography is both art and science, a reflexive research practice that uses the lens of the self (auto) to describe and write (graphy) about people and cultures (ethno). This course will introduce students to the methodological and theoretical roots of autoethnography, and then guide them in becoming autoethnographic researchers. P. Only open to students in the Honors Program.

**HRS 337. Sources and Methods: Women in Music. 3 credits.**

This course will explore numerous issues concerning women in music. These may include, but are not limited to: 1) The contributions and roles of women as composers, patrons and performers in Western art music, non-Western art music and popular music, 2) The portrayal of women in opera and Broadway, and 3) Feminist perspectives in musical criticism. P. Only open to students in the Honors Program.

**HRS 338. Sources and Methods: Research in Writing of Poetry. 3 credits.**

This course will explore the role of research in the inspiration and composition of imaginative writing, specifically poetry. Students will practice various methods used in the process of creating poetry that is inspired and informed by research and learning in areas other than literature. Our central questions will be: How do poets write poems based on research into history, biography, science? What part does research play in the inspiration of poems? How do facts drawn from research and the poetic imagination interact? How do poets - how will you - choose areas to research? Can subject matter be drawn from and expand on, for example, daily interests and activities, such as other courses one is taking? In addition, students will explore the various elements of poetic form and craft. P. Only open to students in the Honors Program.

**HRS 339. Sources and Methods: The Age of Augustus. 3 credits.**

This course provides an interdisciplinary introduction to one of the most important eras in history. We will study how a nineteen-year-old youth, Gaius Octavius, became the first Roman emperor, Augustus, and explore the ways the Western world was transformed during his fifty-eight years of power (44 BCE-14 CE). P. Only open to students in the Honors Program.



**HRS 340. Sources and Methods: Introduction to Green Cultural Studies. 3 credits.**

This course will introduce students to the field of cultural studies as it emerged in the U.S. and elsewhere, give students a working knowledge of cultural studies as a methodological approach, and facilitate the application of this methodology to environmental texts and issues. P. Only open to students in the Honors Program.

**HRS 341. Sources and Methods: The History and Future of the Book. 3 credits.**

History of the book as a literate, literary, and cultural artifact; Examination of important trends in text production from ancient times to the present; examination of contemporary directions, including digital venues, in traditional and multi mediated bibliotechnology. P. Only open to students in the Honors Program.

**HRS 342. Sources and Methods: Modeling Global Issues. 3 credits.**

Students will be introduced to issues concerning comparative politics, nuclear stability, economic stability, economic freedom, creative economy, smart power, hard of hearing and deaf children, and the application of mathematical modeling to these and other issues. P. Only open to students in the Honors Program.

**HRS 344. Sources and Methods: The Literature of Mysticism. 3 credits.**

This course will focus on mysticism, East and West. Jean Gerson, the great 15th-century theologian and churchman, once defined mysticism as "the experiential knowledge of God that comes through the embrace of unitive love." In this course, we will explore the lives and writings of some of the great mystics, those remarkable individuals who claim to have tasted first-hand this "experiential knowledge of God." P. Only open to students in the Honors Program.

**HRS 345. Sources and Methods: The World and Writings of St. Augustine. 3 credits.**

St. Augustine (354-430) is among the greatest and most influential of Christian theologians. This course offers in-depth examination of both his career and his theology, exploring his major works (Confessions, On the Trinity, and On the City of God) his doctrine-shaping controversies with Donatists and Pelagians, and his influence on Christian views of creation, Church, sacraments, and grace. P. Only open to students in the Honors Program.

**HRS 346. Sources and Methods: Philosophy as Therapy. 3 credits.**

We will study the ways philosophers of various eras have employed philosophical therapies (e.g., against emotional turmoil or distorted outlooks on the world). We will explore the strengths and limitations of philosophical therapy and compare its techniques with those of psychological, sociological, and spiritual therapies. P. Only open to students in the Honors Program.

**HRS 347. Sources and Methods: Stoics in Film and Literature. 3 credits.**

Study of the idea of the stoic as presented in various literary genres, philosophical texts, and films. Examination of the stoic life as portrayed in poems, short stories, novels, treatises, letters, and video media. P. Only open to students in the Honors Program.

**HRS 348. Sources and Methods: Pictures and Words: The Visual Book. 3 credits.**

Pictures and Words will introduce the student to the history and fine art of photographic materials in books and visual design, as well as present the student with an introductory studio arts course in the hands-on creation of visual books with photographic materials and written text. P. Only open to students in the Honors Program.

**HRS 349. Two Philosophical Perspectives. 3 credits.**

This course compares philosophies that treat the same issues from instructively different perspectives. Students will learn how different philosophical methods influence the articulation and resolution of problems, and how different conceptual apparatus enable philosophers to engage the same problems differently. May be repeated one time. P. Membership in the Honors Program.

**HRS 351. Colonialism and Agency. 3 credits.**

This course investigates colonialism and human agency in modern history, with an emphasis on relations between "East" and "West." It first examines the philosophical and methodological approaches of historical inquiry and then outlines the basic theoretical models for understanding colonialism, agency, and post-coloniality, balancing theory with primary accounts of colonialism. P. Membership in the Honors Program.

**HRS 352. Sources and Methods: Organizational Rhetoric. 3 credits.**

Organizational rhetoric is the strategic use of symbols to generate meanings: communication processes through which organizations influence popular attitudes and public policies. Students use rhetorical critical methods to analyze how people within organizations use language to generate collective identities, to communicate with stakeholders, to reinforce organizational values, and in many ways, to control. P. Membership in the Honors Program.

**HRS 353. American Classical Music. 3 credits.**

The course investigates Western art music from the American perspective - everything from the music of indigenous people, to the New World classical music, to the birth of jazz, film, and Broadway, and the 20th century American avant garde. Students will also develop listening skills for the aural analysis of such music. P. Membership in the Honors Program.

**HRS 354. Antiquity in Modern Media. 3 credits.**

This course will explore the advantages and disadvantages of learning about the Near East, Greece, and Rome through such non-traditional media as the performing arts, games, sports, and graphic novels. It will also introduce students to three methods for studying ancient history: social history, cultural history, and political history. P. Membership in the Honors Program.

**HRS 355. Biotechnology. 3 credits.**

An introduction to biotechnology and its application in a variety of disciplines. Since biotechnology is based on the techniques and tools in several fields, students will learn the details of fields such as molecular biology, biochemistry, bioinformatics, and genetics. We will also explore the ethics of implementing this technology. P. Only open to students in the Honors Program.

**HRS 356. Archaeology and Politics. 3 credits.**

This class will analyze the political use of the past with a focus on archaeological and artistic cultural monuments in the ancient Mediterranean and Near East. We will explore the intertwining of modern political ideologies with the way past cultural heritage is collected, interpreted, presented, and maintained. P. Only open to students in the Honors Program.

**HRS 358. Literature Religion Philosophy. 3 credits.**

This course examines the ways in which religious activity, beliefs, and aspirations are presented in literature. Can literature convey information about religion that standard academic discussions cannot? Does literature help to convince us that certain religious beliefs are plausible or implausible, or that certain religious aspirations are worthwhile or not? P. Only open to students in the Honors Program.

**HRS 360. The Search for Christian Unity. 3 credits.**

This course tackles the daunting task of understanding the root cause of divisions among Christians as well as the ways Christians have attempted to overcome these divisions. The bulk of this course will focus on the phenomenon of the ecumenical movement. P. Membership in the Honors program.

**HRS 361. Topics in Political Science. 3 credits.**

This course will focus on a specific problem in political science (such as predicting elections, legislative strategy, or collective choice and electoral rules). After learning the concepts, theories, and methods needed to address the semester's topic students will apply that background knowledge to resolve a particular question. P. Membership in the Honors program.

**HRS 362. Multiculturalism. 3 credits.**

We shall look at the problem of multiculturalism from a variety of practical and theoretical perspectives, using philosophical, fictional, and autobiographical works addressing encounters between different cultures. What does multiculturalism imply, and how should we best approach ideas and values that may seem alien to our established way of thinking? P. Membership in the Honors program.

**HRS 363. Sources and Methods: Opera and the Novel. 3 credits.**

Borrowing from dramatic and literary criticism, Opera and the Novel explores the relationship between the two most popular literary and dramatic forms of the nineteenth century, focusing specifically on adaptation, politics, gender, and performance in major operas, plays and novels. P. Membership in the Honors Program.

**HRS 365. SAM: Chemistry of Brewing. 3 credits.**

This course will examine fundamental scientific principles and pathways underlying the transformation of water, barley, hops and yeast into beer. Students will learn basic chemical analysis and brewing techniques via a combination of lecture instruction and hands-on activities. Must be at least 21 years old to participate. P. Membership in the Honors Program; Instructor Consent.

**HRS 366. Sources and Methods: Biology with Darwin. 4 credits.**

Students will engage in biological investigations following the work of Charles Darwin. Students will read excerpts of Darwin's scientific writings and personal correspondence and explore the current scientific literature that builds upon his ideas. In the laboratory, students will replicate classic experiments and test hypotheses based on Darwin's foundational work. P. Membership in the Honors Program and Program Consent.

**HRS 367. Christianity & the Rwandan Genocide. 3 credits.**

This course analyzes the 1994 genocide in Rwanda through the lenses of theology, history, politics and genocide studies. Particular attention is paid to the roles of religious communities, especially the majority Catholic Church, and questions of identity, violence, and reconciliation. P. Membership in the Honors program.

**HRS 368. Phenomenology: A Science of Experience?. 3 credits.**

An introduction to the sources and methods of phenomenology, one of the major theoretical underpinnings of philosophy in the last century, and one that continues to be influential today in philosophy and beyond. Phenomenology is characterized by a focus on method and purports to offer a science of first-person experience. P. Membership in the Honors program.

**HRS 369. The Bible in Popular Culture. 3 credits.**

This course will explore the ways in which individuals and themes in the Bible find their way into popular culture, such as music, film, comics, political debate, and habits of daily life. P. Membership in the Honors program.

**HRS 370. Reading the City. 3 credits.**

This interdisciplinary course in urban studies, drawing on diverse fields such as literature, philosophy, economics, political science, and medicine, will explore the city as a focal point for such topics as immigration, inequality, public space, inequality, and public health. P. Membership in the Honors Program.

**HRS 371. Reading for Health. 3 credits.**

This course explores the overlap between the study of literature and medicine. Through literature's revealing the social components of health, patients' narratives of their illness, and the way medical knowledge influences literary texts, these two disparate fields provide distinct opportunities to think about health, wellness, illness, and healing. P. Membership in the Honors program.

**HRS 372. Poxes Plagues and Pandemics. 3 credits.**

This course explore the history of infectious disease outbreaks from the Middle Ages to today, tracing the development of modern medicine and theories of disease. We'll ask what we can learn about how diseases affect our bodies, groups of people, ways of thinking, politics, society, art, and literature.

**HRS 390. Special Topics for Honors Students. 3 credits.**

This course will address selected topics appropriate for students in the Honors Program. The specific topic will be listed as a course subtitle in the Schedule of Courses. May be repeated under different subtitles.

**HRS 391. Great Ideas. 1 credit.**

A student-driven discussion and tutorial on great ideas. Texts or artwork may be drawn from thinkers of any age and culture, for instance, the Vedictexts, Galileo's thought experiments, or Kuniyoshi's artwork. P. Membership in the Honors Program.

**HRS 493. Directed Independent Study. 1-3 credits.**

A course of study in a particular area of interest with a faculty member cooperating with the Honors Program. Limit of three hours. May not be undertaken in the same semester as HRS 497.

**HRS 497. Directed Independent Research. 0-3 credits.**

Course undertaken in the department of one's major. Students may not register for this course until research has been approved by the departmental research director. May be repeated twice. P. IC.

**IDC 000. Study Abroad. 0-12 credits.****IDC 320. Jesuit Worldwide Learning: Global Perspectives in Liberal Arts. 1 credit.**

This course is designed to introduce students to the mission of Jesuit Worldwide Learning (JWL) and to its students living at the margins. Texts and videos concerning Ignatian pedagogy and mission; marginalization and privilege; daily lives of refugees; and techniques for online teaching will be analyzed and discussed.

**IDC 401. Service Learning in Local Communities - Sports and Education. 3 credits.**

This course combines service learning in a local community and in a foreign country in order to compare experiences of the relationship between sports, education, and development across different cultures. P. Sr. stdng.

**IDC 491. Women in Science. 1 credit. SP**

Course designed to provide an historical overview of women in science while focusing on current practices. Discussion will emphasize barriers that women have faced in the past and strategies for coping, presently, in what is no longer a "man's field." Class meets once a week.

**IDC 561. Exploring Holistic Health-Implications for Care and Policy. 3 credits.**

This course explores different understandings of health and how these influence perceptions of care and ultimately policies pertaining to public health and health care. Students compare and contrast their understandings and perceptions with those of diverse groups encountered during a study abroad program.

**IDC 590. Collaboration and Diversity: A Journey Through the Balkans. 3 credits.**

This blended FLPA course introduces students to the context of the Balkans and involves visits to religious and historical sites. Through the course, students gain a sense of the world, their place within it, and understanding of the values of Men and Women for and With Others and Cura Personalis.

**ITA 105. Survival Italian. 3 credits.**

Survival Italian is an introductory course where students learn the basics of spoken Italian, Italian customs, and Italian culture. The course introduces topics that help students develop practical communication skills needed in an authentic Italian speaking environment. Basic grammar will be studied, along with vocabulary. This course is taught in Italy during the summer FLPA.

**ITA 109. Beginning Italian for Daily Life I: Online Lab. 1 credit.**

The online lab accompanies Beginning Italian for Daily Life I, which focuses on acquiring essential elements for basic communication and developing practical language skills. In this co-requisite course, students apply their emerging language skills by completing online reading, writing, listening, grammatical, and cultural activities to accompany classroom content. This course is graded Satisfactory/Unsatisfactory. CO: ITA 111.

**ITA 110. Beginning Italian for Daily Life II: Online Lab. 1 credit.**

The online lab accompanies Beginning Italian for Daily Life II, which focuses on acquiring essential elements for basic communication and developing practical language skills. In this co-requisite course, students apply their emerging language skills by completing online reading, writing, listening, grammatical, and cultural activities to accompany classroom content. NOTE: This course is graded pass/fail. P. ITA 109 or placement. CO: ITA 112.

**ITA 111. Beginning Italian for Daily Life I. 3 credits.**

This course introduces students to the language by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as provides a broader awareness of and appreciation for the cultures of the countries where Italian is spoken. CO: ITA 109.

**ITA 112. Beginning Italian for Daily Life II. 3 credits.**

This course continues to develop the language-learning process by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as provides a broader awareness of and appreciation for the cultures of the countries where Italian is spoken. P. ITA 111 or equivalent. CO: ITA 110.

**ITA 225. Intermediate Italian. 3 credits.**

This course is designed to help students make the transition to natural communication and develop the language-learning process by focusing on the expansion of necessary elements for development of the practical language skills (listening, speaking, reading, and writing) by using cultural and literary readings as well as grammatical exercises. It also provides a broader awareness of and appreciation for the cultures of the countries where Italian is spoken. P. ITA 112 or equivalent.

**ITA 230. The Human Comedy: Love, Religion and Morality in Boccaccio's Decameron. 3 credits. SP**

The Decameron by Giovanni Boccaccio (1313-1375) is a collection of one hundred stories organized within a historical framework that reflects the values and mentality of Italian society in Boccaccio's time. These stories are told by ten young narrators during a ten-day retreat spent fleeing the 1348 plague that infested Florence. The historical and cultural content of these stories includes views of gender, religious intolerance, the contrast between bourgeois and courtly love, and the importance of human nature. P. Critical Issues in Human Inquiry course or HRS 100 or HRS 101.

**ITA 311. Advanced Italian I. 3 credits.**

In this advanced Italian course students also refine their communicative skills as they read, write, discuss, and present the most intriguing facts and personalities in Italian history. P. ITA 225 or equivalent.

**ITA 328. Studies in Contemporary Italian Culture: 1975-2002. 3 credits.**

This course brings to life the past fifty years of Italian history and culture. By watching a popular Italian television series and selected documentaries, by reading a novel and various articles, and by listening to popular music, students will experience Italian student movements, the "lead years," and the historical divide between Southern and Northern Italy. P. ITA 311 or IC.

**ITA 335. Italian Practicum. 1 credit.**

The purpose of this course is to improve students' Italian speaking skills by offering regular practice in Italian conversation while enhancing their awareness of Italian culture. Course may repeated for a maximum of 3 credits. P. One 300-level ITA course.

**ITA 366. Etruscan and Roman Art. 3 credits. OD (Same as ARH 366, CNE 366)**

Sculpture, painting, and the minor arts of the Etrusco-Roman people.

**ITA 375. History of Italian Renaissance Art and Architecture. 3 credits. (Same as ARH 375)**

The Italian Renaissance studied through the material culture from 1200-1550 with an emphasis on the history of painting, sculpture and architecture. Important figures from the period include Giotto, Donatello, Leonardo da Vinci, Michelangelo, Raphael, and Titian.

**ITA 377. Seventeenth-Century Art and Architecture. 3 credits. (Same as ARH 377)**

The Age of the Baroque was one of the most dynamic in Western history. Absolute monarchs such as Urban VIII, Louis XIV, and Peter the Great ruled over growing empires from sumptuous new capital cities. Contact with the New World, Galileo's invention of the telescope, and Newton's discovery of the laws of physics challenged conceptions of the universe and humanity's place in it. A philosophical revolution unfolded led by Hobbes, Descartes, Spinoza, and Leibniz. Literature flourished with the works of Shakespeare and Cervantes, while Purcell and Bach wrote the century's soundtrack.

**ITA 411. Introduction to Italian Literature. 3 credits.**

This course is an introduction to major periods and movements of Italian literature from the Middle Ages to the present. There will be reading and discussion on selected topics. Course may be repeated for a maximum of three credits. P. ITA 311.

**ITA 425. Roma: Passeggiare nella Città Eterna. 3 credits. SU**

Study abroad in Rome, Italy: Strolling in the Eternal City. Italy's capital city, offers students endless opportunities for personal enrichment. It is a cosmopolitan metropolis and a provincial city with a human dimension that provides a wonderful variety of squares, churches, Roman Forum, etc. Students will learn its rich history and how the people of Rome speak and live as they visit some of Rome's major public spaces. Students who have already been exposed to Italian in the classroom will be able to use their language skills. P. IC.

**ITA 436. Exploring Italy. 3 credits. (Same as ARH 436, CNE 436)**

Students will learn the history of culinary culture, including cuisine, food production, and artisanal activity, through a week spent in Umbria. Students will then learn about the great political and artistic patrimony of Italy in the city of Rome, covering all periods of the city but with a special emphasis on the ancient and the modern city.

**ITA 461. The City of Rome in Antiquity. 3 credits. OD (Same as ARH 461, CNE 461)**

An Architectural, Artistic, and Social Historical Survey of the city of Rome, concentrating on the ancient city but also tracing its development (as appropriate) through modern times. Political History will be covered to the extent needed to provide a framework for the course, but does not overlap with CNE/HIS 404.

**ITA 465. The City of Rome. 3 credits. (Same as ARH 465, CNE 465)**

An architectural, urban, and social historical survey of the city of Rome from the end of the Empire, through the Middle Ages and Renaissance, and ending with the modern city. The class will focus on urban history, theory and design, but will cover political history to the extent needed to provide a framework for the course.

**ITA 466. History of the Romance Languages. 3 credits. (Same as FRN 466, SPN 466)**

The development of the Romance Languages from the earliest to the modern times; the introduction to general linguistic principles; the presentation of the substrata, the Latin base and the superstrata of the Romance languages from the earliest to modern times. P. ITA 225 or FRN 225 or SPN 225, or IC.

**ITA 472. Italian History and Society in Italian Cinema. 3 credits.**

This course will explore Italian history and changes in Italian society from 1900 to the present. Selected Italian films will serve to investigate the shaping of Italian society from the period of Fascism through the changes that occurred in the post-war decades: from the "Resistance" to contemporary social changes. P. One ITA 300 level course, or IC.

**ITA 495. Directed Independent Study. 1-3 credits.**

For individual students who wish to complete a directed study project that focuses on a topic within the field of Italian. Limit of three semester hours.

**JPN 105. Survival Japanese. 3 credits.**

An introductory course that covers the basics of spoken Japanese, Japanese customs, culture, and social behaviors. The course will introduce topics and themes that help students develop practical communication skills needed in an authentic Japanese speaking environment. Grammar and structural patterns will be briefly touched upon whenever necessary. This course is taught in Japan.

**JPN 111. Beginning Japanese for Daily Life I. 4 credits.**

This course introduces students to the language by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as provides a broader awareness of and appreciation for the cultures of the countries where Japanese is spoken.

**JPN 112. Beginning Japanese for Daily Life II. 4 credits.**

This course continues to develop the language-learning process by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as provides a broader awareness of and appreciation for the cultures of the countries where Japanese is spoken. P. JPN 111 or equivalent.

**JPN 170. Crisis and Conflict in Contemporary Japan: Understanding How a Society Reacts to National Events. 3 credits.**

This course examines how Japanese government and citizens confront and deal with a series of crisis and conflicts that have plagued contemporary Japan since the end of WWII. Students will examine how the Japanese society emphasizes the concept of harmony over the individual and relate how one country responds in a growing global context. Topics may include: Post-WWII, The Lost Decades, Low Birthrate, Aging Society, Environment, etc. CO: COM 101.

**JPN 225. Intermediate Japanese. 3 credits.**

This course is designed to help students make the transition to natural communication and develop the language-learning process by focusing on the expansion of necessary elements for development of the practical language skills (listening, speaking, reading, and writing) by using cultural and literary readings as well as grammatical exercises. It also provides a broader awareness of and appreciation for the cultures of the countries where Japanese is spoken. P. JPN 112 or equivalent.

**JPN 230. Space, Place, and Life: A Literary Journey through Japan. 3 credits. SU**

This course will explore various aspects of Japanese society through literature. Here, students will critically examine commonly held cultural notions and beliefs of Japan. While analyzing popular literary works of Japan, students will pay special attention to key themes in Japanese society, such as: the concept of family, the role of gender, the idea of tradition versus modernity, the perceptions about age or generational differences, among others in order to garner a new appreciation of the Japanese experience. This course is taught in English and takes place in Japan (FLPA). P. Critical Issues in Human Inquiry course.

**JPN 231. Contemporary Japan: A Literary Journey. 3 credits.**

This course explores varying aspects of Japanese contemporary society through literature. Students will critically examine commonly held cultural notions and beliefs of Japan. While analyzing popular literary works of Japan, we will pay special attention to key themes in Japanese society, such as: the concept of family, the role of gender, traditional versus modernity, the perceptions about age or generational differences, among others. All told, students will garner a new appreciation for the Japanese experience as represented through literature. This course is taught in English. Satisfies Magis Core: Literature. P. Critical Issues in Human Inquiry, Oral Communication.

**JPN 311. Advanced Japanese I. 3 credits.**

Development of refined and accurate expression in speaking and writing Japanese. P. JPN 225 or equivalent.



**JPN 312. Advanced Japanese II. 3 credits.**

Development of refined and accurate expression in speaking and writing Japanese. P. JPN 225 or equivalent.

**JPN 313. Contemporary Japanese Culture and Society. 3 credits.**

This course is designed to explore the world of Japanese popular culture. Students will gain insight into current Japanese society by examining anime (Japanese animation), music, television programs, sports, literature, and social fads. This interdisciplinary is conducted in English.

**JPS 261. Dominican Republic in Context. 3 credits.**

A study of the history, sociology and politics of the Dominican Republic and the Caribbean. Classroom work is integrated with service-learning and cultural immersion in a context of ethical analyses and reflection. Included in this 3-hour course is course work combined with a service requirement and a seminar. CO: JPS 461.

**JPS 265. Cortina Seminar. 1 credit. SP**

JPS 265 is a one-credit seminar addressing the four pillars of the Cortina Community: community, service, faith, and justice and the general theme of privilege and poverty. Eight sections of approximately 14 students each will be offered, each taught by a different instructor, within that instructor's academic discipline but meeting the same requirements and engaging in cross-disciplinary conversation. P. Open to students in the Cortina community only.

**JPS 271. Philosophical Ethics: Cortina Community. 3 credits. (Same as PHL 271)**

This course is a component of the Cortina Community program. It is a critical study of fundamental philosophical theories, including a utilitarian theory, a deontological theory, and a virtue ethics theory, about the sources of moral obligation, moral virtue, justice, wisdom, and a good human life. Students will use these theories in conjunction with reflection on first-hand experience of serving others to evaluate critically their own ethical presuppositions and to form well-reasoned judgments about moral problems related to social justice. P. Membership in the Cortina Community, and one Philosophical Ideas course: PHL 110 or PHL 111 or PHL 112 or PHL 113 or PHL 118.

**JPS 274. Theological Ethics: Social Action and Political Advocacy. 3 credits. ((Same as THL 274))**

This course empowers students to advance justice by engaging moral theories and applying theological ethics to voting, advocacy, community organizing, and civil disobedience/nonviolent direct action. The course is academic service-learning and climate change is a particular focus. Satisfies Magis Core: Ethics. P. Philosophical Ideas course.

**JPS 337. Anthropology of War and Peace. 3 credits. (Same as ANT 337, SOC 337. Magis: Do Soc Sci, Written Comm)**

This course explores the dynamics of war and peace from an anthropological lens. Using ethnographic cases, students will examine approaches to peace, analyze the varied forms of violence that stifle it, and explore possibilities for transforming violent conflict. Students will apply anthropological methods to consider peacebuilding strategies in comparative contexts. Satisfies Magis Core: Doing Social Science, designated Written Communication course.

**JPS 365. Liberation and Integration: Ignatian Reflections. 1 credit.**

To name what one has experienced is essential to one's spiritual journey. The Spiritual Exercises of St. Ignatius are uniquely positioned to assist in this process of discernment for students at a Jesuit and Catholic University. The purpose of this course is to assist students in reflection and integration of study abroad experiences. Satisfies Magis: Designated Oral Communication. P. Oral Communication course; Ethics course; Sophomore standing.

**JPS 375. Advanced Cortina Seminar. 1 credit.**

JPS 375 is a one-credit seminar for junior and senior participants in the Cortina Community on the theme of Social Justice and Public Policy. Students will learn about the policy making process so that they can analyze policies that contribute to various social injustices and help develop more just alternatives.

**JPS 400. Public Health & Social Justice in Haiti. 3 credits.**

This 17-day course for juniors and seniors includes two days on campus for pre-departure classroom work; ten days in Haiti to learn about its culture, microfinance and public health initiatives, and other development projects; daily reflection; and three days of post-trip classroom work on campus, including reflection on the experience. P. Junior standing; completion of a course in SOC or ANT with a C+ or better; GPA of 2.5 and good academic and disciplinary standing.

**JPS 416. Healthcare Ethics: Public Health, Administration, and Clinical Care. 3 credits. (Same as HAP 416)**

This course prepares students to navigate unique ethical challenges at the three interrelated levels of modern healthcare: macro (public health), meso (organizational), and micro (clinical). The course also engages the Ignatian tradition as a tool for discerning one's vocation in healthcare. Satisfies Magis Core Intersections; Designation: Ethics. P. Critical Issues in Human Inquiry course, Ethics course.

**JPS 419. Bible, Spirituality & American Public Life. 3 credits. (Same as AMS 419, THL 419)**

Exploration of the Biblical foundations of Christian spirituality, followed by critical examination of the implications for contemporary American life; includes attention to intersection of race, gender & economic realities. P. THL 110, THL 200.

**JPS 421. Public Health and Social Justice in Haiti. 3 credits.**

This FLPA (Faculty-Led Program Away) course includes pre-departure on-campus classroom work, followed by immersion in Haiti to learn about its culture, public health and microfinance initiatives, and other development projects, and post-travel classroom work. In addition to reading and discussion, students will engage throughout the course in daily reflection as a group and in individual student journaling. Course content emphasizes health and justice issues in Haiti as outgrowths of historical and present-day global interrelationships - particularly between Haiti and the U.S. Students will develop a proposal for action that is grounded in careful attention to the complexities of this interrelationship. P. Critical Issues in Human Inquiry; Senior standing.

**JPS 430. Violent Environments and Sustainability. 3 credits. (Intersections course; Same as ANT/EVS/SOC 430)**

This course examines environmental violence and sustainability from an interdisciplinary perspective. Using ethnographic cases, we will consider environmental struggles for justice in relation to war, displacement, and political violence. Students will analyze how people resist and transform violence and explore concrete strategies for building a more just and sustainable world. Prereq: Critical Issues in Human Inquiry.

**JPS 443. Ecclesiology in Global Context. 3 credits. (Same as THL 443)**

The Catholic Church as present within various countries around the world provides unique opportunities for understanding how local churches incorporated the call of the Second Vatican Council to read the signs of the times and interpret them in the light of the Gospel. Immersion learning allows contact experiences with people and different realities to teach and supplement academic material in the classroom. P. One Magis Core Critical Issues in Human Inquiry course and one 100-level THL course.

**JPS 460. Models and Heroes of Service and Justice. 3 credits. SP**

Course Description: This course explores five models of service and justice: advocacy, solidarity, ecological stewardship, hospitality, and compassion. The course then examines "moral exemplars" who embodied each model: Martin Luther King, Jr., Dorothy Day, Oscar Romero, Mother Teresa, Greg Boyle, and Dorothy Stang. The course utilizes readings, films, lectures, and student-led discussions. Satisfies Magis Core: Intersections; Magis Designated: Ethics. P. Critical Issues in Human Inquiry, Ethics.

**JPS 461. The Crucified People of Today. 3 credits.**

A multi-disciplinary study of social justice issues pertaining to people experiencing material poverty. This course will combine Theological beliefs to make meaning out of the injustices in our world, with Economics views that address sustainable development ideas to eradicate extreme poverty. Classroom work is integrated with service-learning and cultural immersion in a context of ethical analyses and reflection. CO: JPS 261; P. One Magis Core Critical Issues in Human Inquiry course.

**JPS 465. Faith and Political Action. 3 credits. AY (Same as PLS 465)**

Challenges students to understand theological and political science perspectives on social policy issues and the work of religious-based organizations in politics. Course includes 20 hours of work with a community partner during the semester. P. Sr. stdg.

**JPS 470. Poverty in America. 3 credits. (Same as EDU 470)**

The intent of this course is to provide students with an understanding of the cultural, economic and political structures of an impoverished society, to understand the dilemmas inherent in poverty and to develop an attitude of sensitivity and connectedness with those in this plight. P. PHL 250 or THL 250; One Magis Core Critical Issues in Human Inquiry course; IC.

**JPS 495. Directed Independent Study. 1-4 credits. OD**

Offered especially JAS majors but open to any interested student. May be repeated to a limit of 6 hours. P. IC.

**JPS 499. Land More Than a Job: Justice, Career, and Vocational Discernment. 3 credits.**

Are you discerning your post-college vocation? Are you interested in working for justice in your future career? This course explores understandings of justice and pathways to advance justice. Course content includes readings, guest speakers, career building exercises, classroom discussion, and insights from Ignatian discernment. Satisfies Magis Intersections, designated Ethics course. P. Critical Issues in Human Inquiry, Ethics, Sr. standing.

**JPS 565. Catholic Social Teaching. 3 credits. SP (Same as THL 565)**

This course provides an examination of contemporary Catholic social ethics. Focus is on the relevance of Christian moral reflection on issues of concern in contemporary society including racism, poverty, issues of life and death, immigration, economic justice, and the environment. We will give special attention to the moral teachings and ethical methods of Roman Catholic social ethics, but other perspectives within Christianity will also be studied and discussed. P. Magis Ethics course.

**JPS 588. Christian Ethics Of War And Peace. 3 credits. FA (Same as THL 588)**

Introduction to the development and application of Christian ethical perspectives on the use of lethal force from the biblical period to the present day. Just war theory and pacifism in both Catholic and Protestant traditions. Special attention given to the formation of personal conscience in reflection on public policy and world events, both historical and current. P. PHL or THL 250 or Magis Core Ethics course and Jr. stdg.

**JRM 215. Media Literacy. 3 credits. FA, SP (Magis: Understand Soc Sci; Designated Technology)**

This introductory course explores the impact of media, digital communication, and technology on society. Students will analyze the fundamental concepts and questions connected to media literacy and learn how to critically apply those skills in their everyday lives. Students will also learn how technological changes continue to shape the future of mass communications and will explore various concepts including fake news, attention economy, online civic reasoning, data visualization, and cyber security/privacy. Satisfies Magis Understanding Social Science, designated Technology course.

**JRM 315. Public Relations and Advertising Principles. 3 credits. FA**

This is a collaborative, team-taught class that will incorporate half a semester each of PR Principles and Advertising Principles. In both you will learn about fundamental principles of persuasion, targeting, advocacy work and how these two distinct but related fields work with audiences.

**JRM 319. Media Writing. 3 credits. FA, SP, SU**

Students learn basic news writing forms and techniques and develop their interviewing and writing skills in gathering and writing news and feature stories for the student newspaper. The course also introduces students to ethical, legal and other issues surrounding the role of media in a democratic society. P. One Magis Core Contemporary Composition course.

**JRM 320. Professional Writing. 3 credits. FA**

A course that teaches students to apply their writing and communication skills to professional formats such as executive summaries, power point presentations, abstracts of technical articles, professional proposals, copy for posters and copy for web pages. Course work will include oral presentations and integration of writing and graphics. P. Contemporary Composition course.

**JRM 321. Advanced Reporting. 3 credits. OD**

The advanced course builds on skills and concepts developed in JRM 319, Media Writing. Students research and write in-depth news articles for publication in campus media and beyond, focusing on specialized forms of reporting about government, business and politics. The course also emphasizes using computer tools, documents, data collection and analysis in the reporting. P. JRM 319.

**JRM 322. Feature Writing. 3 credits. OD**

The course explores the art of writing numerous types of features for newspapers and magazines including personality profiles, in-depth examinations of issues and problems, reviews, columns, editorials and humor. Course will stress research, writing and analytical skill development. Students also learn free-lance writing techniques and methods. P. JRM 319 or IC.

**JRM 326. Sportswriting. 3 credits. OD**

This in-depth course in the art of sportswriting provides students with experience in covering sports. The topics include how to interview coaches and players, how to obtain and report on sports statistics and how to write a variety of sports features incorporation multimedia. P. JRM 319.

**JRM 327. Social Media. 3 credits. FA**

This course explores the development, art and practice of writing, editing and producing social media content over a range of platforms and networks in news, public relations and advertising. The course also will examine ethical and legal aspects of social media and its role in social justice.

**JRM 331. Editing. 3 credits. FA**

The course introduces students to the fundamentals of preparing copy for publication by emphasizing grammar, punctuation, style, consistency, clarity and accuracy. Students learn to work with writers, to write headlines and captions, to develop infographics and to be aware of ethical, legal and taste considerations when editing. P. JRM 319.

**JRM 339. Global Case Studies. 3 credits. SP**

The course explores stakeholder engagement and stakeholder management in a variety of disciplines, fields, and cultural contexts. Through case studies and scholarly research, students will investigate how leaders can develop their intercultural skills to foster optimal engagement and understanding in a global society. P. Understanding Social Science.

**JRM 341. Public Relations Writing. 3 credits. FA (Magis: Written Communication)**

The course offers an in-depth examination and hands-on experience in the writing of various public relations formats including direct mail pieces, brochures, news releases, thought leadership blogs, speeches, grants and social media/website content. Students will also develop their editing skills. Satisfies Magis: Designated Written Communication course. P. Contemporary Composition.

**JRM 347. Media Strategy. 3 credits. FA**

This course provides integrated and comprehensive experiences in advertising decision making. Experience gained in advertising principles, and advertising media writing is culminated in planning, executing and proposing a comprehensive advertising campaign. Working in teams, students will approach and solve advertising problems as an agency would for a client. May be repeated up to 9 credits. P. JRM 315 or MKT 377 or IC.

**JRM 365. International Mass Communications. 3 credits. OD**

The course examines the role of the mass media in an era of globalization and mass media's impact on societies throughout the world, emphasizing the issue of freedom of expression and of the press. The countries studied reflect areas of special contemporary interest.

**JRM 419. Online Storytelling. 3 credits. SP**

This course provides vital digital skills to future journalism and public relations professionals. As communication shifts online and to mobile platforms, this course places an emphasis on developing familiarity with multiple platforms and storytelling genres. Students will also learn the dynamics of data in augmenting storytelling and behavior tracking audience. P. Contemporary Composition.

**JRM 433. Advertising Copywriting and Design. 3 credits. SP**

The course explores techniques in writing advertising copy for all media using practical assignments. P. JRM 315.

**JRM 435. History of American Mass Media. 3 credits. SP**

The course explores the history of mass communication and mass media in America and its role in society, from the forerunners of the newspaper to current trends in digital media. Students will learn about the history of press freedoms and will explore how media history and American political and social history are intertwined. P. Critical Issues in Human Inquiry; Junior or Senior Standing.

**JRM 438. Media Ethics and Law. 3 credits. SP**

Using numerous case studies, the ethical principles of media practice are explored, in addition to the legal principles of defamation, privacy, copyright, and trademark laws. First Amendment moral and legal issues are explored also. P. Ethics course.

**JRM 440. Media Research. 3 credits. FA, SP**

This course is designed to teach students to conduct or understand research methods that are often used in the mass communication industry. Discussion covers and applies mass communication theories, sampling methodologies, statistical analysis, and interpretation of data. The course also introduces students to qualitative research methods common in mass communication research. P. Mathematical Reasoning course; Junior standing.

**JRM 445. Public Relations Campaigns. 3 credits. SP**

This course provides comprehensive insights into public relations decision making. Experiences gained in the class will help students execute an integrated public relations campaign. Students will work in teams as they conduct a public relations audit and develop a comprehensive public relations plan for a local or national non-profit client. Students will also learn the fundamentals of public relations event planning and public relations advocacy. Course may be taken twice for a total of 6 credits. Prereq: JRM 315 or MKT 377 or Instructor Consent.

**JRM 455. Projects in Communication. 1-3 credits. FA, SP, SU (Same as GDE 455)**

Students develop a project in any of the mass media that is approved by a faculty member. The course may be repeated until a maximum of six credit hours have been accrued. Graded Satisfactory/Unsatisfactory. P. IC.

**JRM 477. Advanced News Production. 1-3 credits. FA, SP**

Students gain experience by working for one of the department's student media including The Creightonian or Creightonian Online. May be repeated for up to nine credit hours. P. IC.

**JRM 479. Graphic Design Internship. 1-3 credits.**

Students will gain professional experience in graphic design through working in supervised graphic design jobs. Graded Satisfactory/Unsatisfactory. P. GDE 380 and IC.

**JRM 481. Broadcast and Video Internship. 1-3 credits.**

Students gain professional experience through working for a radio, television or cable organization on a part-time basis for a semester or during an interterm period on a full-time basis. Graded Satisfactory/Unsatisfactory. P. IC.

**JRM 483. Public Relations Internship. 1-3 credits. FA, SP, SU**

Students gain professional experience by placement in a public relations department or agency on a part-time basis for one semester (or appropriate period during summer or interterm periods on either a full- or part-time basis) to learn how particular problems in public relations are handled and the methods used by that department or agency to communicate with its various publics. May be repeated. Graded Satisfactory/Unsatisfactory. P. IC.

**JRM 485. News Internship. 1-3 credits. FA, SP, SU**

Students gain professional experience with placement in news medium or agency on a part-time basis for one semester (or appropriate period during summer or interterm periods on either a full- or part-time basis) to gain practical experience in news gathering, writing and editing. May be repeated. Graded Satisfactory/Unsatisfactory. P. IC.

**JRM 487. Advertising Internship. 1-3 credits. FA, SP, SU**

Students gain professional experience by placement in a communications medium or agency on a part-time basis for one semester (or appropriate period during summer or interterm periods on either a full- or part-time basis) to gain practical experience in the procedures and functions of planning, preparing, placing and selling advertising messages and materials. May be repeated. Graded Satisfactory/Unsatisfactory. P. IC.

**JRM 493. Directed Independent Readings. 1-3 credits. FA, SP, SU (Same as GDE 493)**

Students work with a faculty member who agrees to supervise the directed independent readings. May be repeated until a maximum of six credit hours has been accrued. P. IC.

**JRM 529. Law of Mass Communication. 3 credits. FA, SU**

The course examines the legal limitations and privileges affecting publishing and broadcasting including libel, copyright, constitutional guarantees and restrictions on freedom of the press, the FCC, FTC, etc. P. Jr. stdg.

**JRM 599. Senior Capstone: Entrepreneurial Media. 3 credits. FA**

This project-based capstone is for journalism seniors in the news, advertising, public relations tracks. The course explores entrepreneurship and innovation in a media landscape that is constantly evolving. The course focuses on concepts of entrepreneurship and new media business models. Student research, design, and pitch an entrepreneurial idea that integrates content from their major courses with new content on entrepreneurship. P. Senior Standing; Journalism majors; Oral Communication course.

**JRM 999. Upper Level JRM Transfer Cred. 1-21 credits.****LAT 111. Beginning Latin I. 3 credits.**

Course designed to focus on the basic vocabulary, grammar, and syntax of Classical Latin as well as provide insight into Roman culture.

**LAT 112. Beginning Latin II. 3 credits.**

Course designed to continue the introduction of the basic vocabulary, grammar, and syntax of Latin as well as provide insight into Roman culture. In addition, selections from major authors of Latin prose will be read. P. LAT 111 or equivalent.

**LAT 225. Intermediate Latin. 3 credits.**

Selections from Cicero's orations and/or other verse authors. This course applies and extends the language study done in LAT 112. P. LAT 112.

**LAT 301. Readings in Latin. 3 credits.**

Selected readings of major Latin authors, such as Caesar, Vergil or the Younger Pliny. Review of Latin grammar and syntax. Study of the prose and poetic styles of the authors read. P. LAT 225 or equiv.

**LAT 302. Latin Lab. 1 credit.**

This course is designed to improve Latin language skills in reading comprehension, translation, and active, conversational Latin, while also introducing students to some of the cultural contexts of the Latin language across time and space, with an emphasis on post-Medieval Latin, beyond the Mediterranean. This is a hybrid course that meets ca.40 % online. P. LAT 112 or equivalent.

**LAT 303. Latin Prose Composition. 3 credits. SP**

Presentation of sufficient material for exercising the finer points of Latin style. Imitation of the masters of Latin style, especially Caesar, Cicero, and Vergil. P. LAT 225 or equiv.

**LAT 400. Early Latin Authors. 3 credits.**

Students will read authors of the Early period (such as Plautus, Cato, or Terence). This course is repeatable to a max of 6 credits. P. LAT 225 or equiv.

**LAT 401. Early Latin Themes and Genres. 3 credits.**

Students will pursue thematically-tied or genre-related readings of various authors of the Early period (such as the Twelve Tables, inscriptions, or readings to explore the evolution of Latin). Course may be repeated to a max of 6 credits. P. LAT 225 or equiv.

**LAT 402. Classical Latin Authors. 3 credits.**

Students will read authors of the Classical period (such as Cicero, Lucretius, Catullus or Caesar). This course may be repeated to a max of 6 credits. P. LAT 225 or equiv.

**LAT 403. Classical Latin Themes and Genres. 3 credits.**

Students will pursue thematically-tied or genre-related readings of various authors of the Classical period (such as a focus on epic, oratory, or historical works). This course may be repeated to a max of 6 credits. P. LAT 225 or equiv.

**LAT 404. Augustan Latin Authors. 3 credits.**

Students will read authors of the Augustan period (such as Vergil, Horace, Livy, or Ovid). This course may be repeated to a max of 6 credits. P. LAT 225 or equiv.

**LAT 405. Augustan Latin Themes and Genres. 3 credits.**

Students will pursue thematically-tied or genre-related readings of various authors of the Augustan period (such as a focus on historiography, elegiac poetry, or epic). This course may be repeated to a max of 6 credits. P. LAT 225 or equiv.

**LAT 406. Post-Augustan/late Latin Authors. 3 credits.**

Students will read authors of the Post-Augustan and late period (such as Petronius, Lucan, Tacitus, or Augustine). This course may be repeated to a max of 6 credits. P. LAT 225 or equiv.

**LAT 407. Post-Augustan/late Latin Themes and Genres. 3 credits.**

Students will pursue thematically-tied or genre-related readings of various authors of the Post-Augustan and late period (such as the Latin Church Fathers or historical topics). This course may be repeated to a max of 6 credits. P. LAT 225 or equiv.

**LAT 408. Medieval Latin Authors. 3 credits.**

Students will read various authors of the Medieval period (such as Notker, Einhard, or Aquinas). This course may be repeated to a max of 6 credits. P. LAT 225 or equiv.

**LAT 409. Medieval Latin Themes and Genres. 3 credits.**

Students will pursue thematically-tied or genre-related readings of various authors of the Medieval period (such as a focus on history, Carolingian biography, etc.). This course may be repeated to a max of 6 credits. P. LAT 225 or equiv.

**LAT 410. Diachronic Readings in Latin. 3 credits.**

Students will read works by Latin authors from different periods. They will be linked in any number of ways, e.g., by genre, theme, or subject matter. This course may be repeated to a max of 6 credits. P. LAT 225 or equiv; Critical Issues in Human Inquiry; Contemporary Composition; Oral Communication.

**LAT 411. Readings in Greek and Latin. 3 credits. (Same as GRK 411)**

Students will pursue thematically-linked reading of the works of Greek and Latin authors from different periods (such as comparative readings in drama, or philosophy, or historiography). May be repeated to a max of 6 credits. P. LAT 225 or equiv. and GRK 225 or equiv.



**LAT 493. Directed Independent Readings. 1-3 credits. FA, SP, SU**

Designed to meet the special needs of qualified students. Credit by arrangement. This course may be repeated to a max of 6 credits. P. DC.

**LAT 498. Senior Capstone Seminar. 3 credits. FA (Same as CNE 498, GRK 498)**

Directed research on a general topic; preparation and public presentation of a senior thesis. LAT 498 open only to Latin majors.

**LDR 000. LDR Transfer Credit. 1-21 credits.****LDR 220. Ignatian Leadership: Ethics and Reflection. 3 credits.**

Recognizing that leadership is an ongoing process and way of living, students explore leadership through an introductory framework, ethical foundations, and explicitly Ignatian perspectives to assist in forming their personal and professional leadership practices. The course is designed to be interactive and thought provoking while encouraging self-assessment and value development.

**LDR 420. Experiential Leadership. 3 credits.**

As the capstone course for the Leadership minor, LDR 420 is designed to help students integrate previous academic study of leadership with practical leadership experience. In this course, students gain leadership experience through a university, community, or professional leadership role and analyze this experience in light of leadership theory. P. LDR 220, COM 320 and instructor consent.

**MIL 100. Leadership Laboratory. 0 credits.**

Leadership Laboratory provides initial and advanced military leadership instruction in military courtesy, first aid, and practical field training exercises. Functions and responsibilities of leadership positions are developed through cadet command and staff positions. May be repeated one time. CO: MIL 170 or MIL 171.

**MIL 170. Introduction to Critical Thinking and the Army I. 2 credits.**

MIL 170 is designed to develop critical thinking skills of students while ensuring they grasp information on being a professional in the United States Army. The overall focus is the development of basic knowledge and comprehension of Army leadership while gaining an elementary understanding of the Reserve Officers' Training Corps (ROTC) program, its purpose in the Army, and its advantages for students. The follow-on for this course is MIL 171 and its COM 101 co-requisite. At the conclusion of all three courses, students will have fulfilled the Magis Core Requirement for Critical Issues in Human Inquiry.

**MIL 171. Introduction to Critical Thinking and the Army II. 2 credits.**

MIL 171 is designed to increase critical thinking skills of students while ensuring they grasp additional information on being a professional in the United States Army. The overall focus in the continued development of basic knowledge and comprehension of Army leadership while gaining an advanced understanding of the Reserve Officers' Training Corps (ROTC) program, its purpose in the Army, and its advantages for students. At the conclusion of this course, students will have fulfilled the Magis Core Requirement for Critical Issues in Human Inquiry. CO: COM 101, MIL 100.

**MIL 200. Leadership Laboratory II. 0 credits.**

This second-year leadership laboratory parallels MIL 201/MIL 202 classroom instruction, reinforcing concepts learned in class with practical hands-on training exercises and activities. Training is focused on more advanced individual and collective small unit skills such as small unit leadership and tactics doctrine, land navigation, basic rifle marksmanship, and drill and ceremonies. May be repeated one time. CO: MIL 211 or MIL 212.

**MIL 205. Basic Leadership Camp. 3 credits. SU**

Six weeks of preparatory training at Fort Knox, Kentucky. Travel pay and salary stipend provided through the Military Science Department. The student is not obligated to any military service as a result of attending Leadership Training Course. Course graduates are eligible to enroll in Advanced Military Science courses. Students are also eligible to compete for full-tuition two-year scholarships. P. DC.

**MIL 207. Fundamentals Of Army Ranger Training. 2 credits. FA**

This course is designed to train students for local and regional competition in such areas as leadership, physical endurance, basic soldier skills, and small-unit tactics.

**MIL 208. Advanced Army Ranger Training. 2 credits. SP**

This course is designed to train students for local and regional competition in such areas as leadership, physical endurance, basic soldier skills, and small-unit tactics.

**MIL 211. Basic Individual Leadership Techniques. 2 credits. FA**

Course designed to develop student leadership and critical individual skills. Training is basic in nature and includes leadership techniques, written and oral communication, rifle marksmanship, fundamentals of land navigation, and physical fitness. P. MIL 170 and MIL 171; CO: MIL 200.

**MIL 212. Advanced Individual Leadership Techniques. 2 credits. SP**

Continues the development of student leadership and critical individual military skills. Training focuses on advanced military skills and includes orienteering, field survival skills, operation and training. P. MIL 170, MIL 171; CO: MIL 200.

**MIL 213. Military Science And Leadership. 2 credits.**

Nurse cadet only. This course compresses Military Science II year into one semester. It is designed to develop students' knowledge of self, self-confidence, and individual leadership skills. Through experiential learning activities, students develop problem solving and critical thinking skills, and apply communication, feedback and conflict resolution skills.

**MIL 215. United States Military History. 3 credits. FA, SP**

A study of the theory and practice of war beginning in colonial times through the military engagements and peace keeping operations of the 1990's. Emphasis is on United States participation in these military operations.

**MIL 300. Leadership Laboratory III. 0 credits.**

This laboratory parallels MIL 301/MIL 302 classroom instruction and places the student in leadership positions within the cadet corps, providing greater challenges in order to build confidence and enhance mastery of individual skills. Activities focus on honing military skills and mastery of small unit leadership and tactics. May be repeated one time. CO: MIL 301 or MIL 302.

**MIL 301. Adaptive Team Leadership. 3 credits.**

Successful completion of this course will help prepare you for success at the ROTC Cadet Leader Course which you will attend next summer at Fort Knox, Kentucky. This course includes reading assignments, homework assignments, small group assignments, briefings, case studies, and practical exercises, a mid-term exam, and a final exam. P. MIL 211, MIL 212. CO: MIL 300.

**MIL 302. Training Management and the Warfighting Functions. 3 credits.**

This is an academically challenging course where you will study, practice, and apply the fundamentals of Army Leadership, Officership, Army Values and ethics, personal development, and small unit tactics at the team and squad level. At the conclusion of this course, you will be capable of planning, coordinating, navigating, motivating and leading a team or squad in the execution of a tactical mission during a classroom PE, a Leadership Lab, or during a Situational Training Exercise (STX) in a field environment. You will receive systematic and specific feedback on your leader attributes values and core leader competencies from your instructor and other ROTC cadre and MSL IV Cadets. P. MIL 301.

**MIL 351. Advanced Leadership Camp. 3 credits. SU**

Cadets attend intensive leader and management training. The training is conducted during the summer months between the junior and senior years at Fort Knox, Kentucky. The student's ability to demonstrate followership, mental agility, empathy, and all other Officer traits are thoroughly evaluated. Travel pay and salary stipend provided through the Department of Military Science. P. MIL 301 and MIL 302; IC.

**MIL 352. ROTC Nurse Summer Training. 3 credits. SU**

A three-week, 120-hour clinical assignment with an Army Nurse Corps preceptor at an Army hospital in the U.S. or overseas. Available to ROTC nursing students with at least one clinical nursing course, follows successful completion of MIL 351. The student receives travel pay and a salary stipend through the Military Science Department. Improved clinical skills and self-confidence that comes with experience will enhance performance in nursing curriculum and Military Science. P. MIL 301 and MIL 302, DC.

**MIL 400. Leadership Laboratory IV. 1 credit.**

Laboratory designed to allow senior cadets to demonstrate mastery of leadership and tactical skills developed throughout their cadet career in preparation for becoming commissioned Army officers. The cadet staff plans, resources, and executes training for the MIL 100, 200 and 300 labs. The focus of this class is to prepare students for Basic Officer Leader Development Phase B (BOLC-B). May be repeated one time. CO: MIL 401 or MIL 402.

**MIL 401. Mission Command and Advanced Leadership. 2 credits.**

This course explores the dynamics of leading in the complex situations of current military operations. Students will examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. You also explore aspects of interacting with non-government organizations, civilians on the battlefield, the decision making processes and host nation support. The course places significant emphasis on preparing you for BOLC B and your first unit of assignment.

**MIL 402. Military Management Seminar. 2 credits. SP**

Leadership and management problems involved in the operation of a small unit including personal affairs, military justice, moral and social duties and obligations of a military officer. P. MIL 301 and MIL 302. CO: MIL 400.

**MIL 493. Directed Independent Readings. 1-3 credits. FA, SP**

A course consisting of research and presentation. The goal of the class is to research relevant military tactics and leadership topics and present that subject to the instructor in an effort to prepare the cadet to serve in the U.S. Army as a Second Lieutenant. P. DC.

**MIL 494. Directed Independent Study And Seminar I. 1-3 credits. FA**

A course consisting of research and presentation. The goal of the class is to research relevant military tactics and leadership topics and present that subject to the instructor in an effort to prepare the cadet to serve in the U.S. Army as a Second Lieutenant. This course is restricted to BSN students.

**MIL 495. Directed Independent Study And Seminar II. 1-3 credits. SP**

Military Science 495 is a one to three credit hour course consisting of research and presentation. The goal of the class is to research relevant military tactics and leadership topics and present that subject to the instructor in an effort to prepare the cadet to serve in the U.S. Army as a Second Lieutenant. This course is restricted to BSN students.

**MTH 103. Intermediate Algebra. 3 credits. FA, SP, SU**

Topics from second-year algebra to form an introduction to college algebra.

**MTH 105. Math for Elementary Teachers. 4 credits.**

Typical elementary school topics will be reviewed and extended to related topics of exponential notation, significant figures, measures of change, economic principles and the normal distribution. In so doing, all applicable NCTM Standards will be covered.

**MTH 125. Practical Math. 3 credits.**

To present common situations requiring quantitative analysis or calculations, to prepare the student to think logically through these situations, to model them mathematically, and to reach an accurate conclusion. Two years of high school algebra is expected. This course is repeatable to a max of 9 credits.

**MTH 131. Earth Algebra. 3 credits. FA, OD**

College Algebra material; environmental issues; functions; atmospheric carbon dioxide concentration; composite functions and inverses; global temperature and ocean level; quadratic functions; systems of linear equations and matrices; carbon dioxide emission. P. Four semesters of high school algebra.

**MTH 139. Precalculus. 3 credits. FA, SP**

This course will cover the basic concepts that are required for further study of mathematics including a course in calculus. The course topics include solving linear, quadratic, exponential and logarithmic equations; linear and quadratic inequalities; properties and graphs of polynomial, rational, exponential, logarithmic, trigonometric and inverse trigonometric functions; angles; right triangles; trigonometric identities and equations.

**MTH 141. Applied Calculus. 3 credits. FA, SP, SU**

Main topic is differential and integral calculus and applications. Includes sections on partial derivatives. P. Heider College of Business students only.

**MTH 161. Business Statistics. 3 credits.**

An introduction to descriptive and inferential statistics for business. Topics include measures of central tendency and dispersion, sampling and estimation, confidence intervals, regression and correlation, and relevant examples from business, finance and economics. This course for HCOB students and Economics majors and minors in CCAS only.

**MTH 205. Mathematics for the Modern World. 2 credits.**

Foundations course in mathematics for those not needing calculus. Topics include basic number theory, graphs, estimation, data analysis and curve fitting, probability and analysis of risk, and fairness in voting systems.

**MTH 206. Mathematical Reasoning and Statistics. 3 credits.**

This is a 3-credit online course for students not needing calculus. We will be considering basic number theory, graphs, estimation, data analysis, probability, statistics, and analysis of risk. You will become familiar with these topics and demonstrate mastery via weekly homework, discussion posts, and quizzes, two written projects, and one cumulative exam.

**MTH 231. Calculus for the Biological Sciences. 3 credits.**

Differential and integral calculus and a brief introduction to differential equations, with applications to the biological sciences. NOTE: Not intended for CHM, MTH and PHY majors.

**MTH 245. Calculus I. 4 credits. FA, SP, SU**

Differential and integral calculus of algebraic and transcendental functions.

**MTH 246. Calculus II. 4 credits. FA, SP, SU**

Techniques of integration, infinite series, and other topics. P. MTH 245 or equivalent.

**MTH 249. Modeling the Physical World I. 3 credits.**

First semester in the sequence on mathematical modeling using calculus. Course is taught jointly with PHY 221. Topics include elementary differential equations, techniques of integration, sequences and series, vector analysis, and applications. This course is equivalent to MTH 246. P. MTH 245 or permission of the instructor. CO: PHY 221.

**MTH 260. Introduction to Statistics. 3 credits.****MTH 310. Introduction to Abstract Mathematics. 3 credits. FA, SP**

A systematic study of the basic concepts in mathematics, including set theory; logic; proof techniques, basic properties of integers; relations; functions; congruences; introduction to groups; sequences and series, and basic properties of a topological space. P. MTH 246 or MTH 249 or equivalent.

**MTH 321. Euclidean and Non-Euclidean Geometry. 3 credits.**

Basic geometric concepts and applications. P. MTH 246 or MTH 249.

**MTH 323. Mathematical and Computational Neuroscience. 3 credits.**

Selected topics in mathematical and computational methods in neuroscience. Model of neurons and neural networks; neural network architecture; and theories of neural coding. Overview of foundational and current research in the subject. P. CSC 222 or MTH 246 or PSY 437 or PSY 441, or IC.

**MTH 347. Calculus III. 3 credits. FA, SP**

This course covers vector algebra and calculus in two- and three-dimensional space. P. MTH 246 or MTH 249 or equivalent.

**MTH 349. Modeling the Physical World II. 3 credits.**

Second semester in the sequence on mathematical modeling using calculus. Course is taught jointly with PHY 222. Topics include multivariable functions and calculus, series integration (Green's, Stokes', and Divergence theorems) and applications. P. MTH 249 and PHY 221. CO: PHY 222.

**MTH 350. Applied Linear Algebra and Differential Equations. 3 credits.**

This course is a survey of the techniques to solve elementary differential equation and linear algebra problems. Topics include solving linear systems, eigenvalues, eigenvectors, exact equations, integrating factors, and constant coefficient systems of ODE. The class is computational in nature and is suitable for students in the applied sciences. P. MTH 246 or MTH 249 or equivalent.

**MTH 360. Elementary Probability and Statistics. 3 credits.**

Non-calculus approach with emphasis on measures of central tendency and variability, distributions and testing of hypothesis. Designed for students in natural and social sciences, or business. Meets requirements for Designated Statistical Reasoning and Designated Technology. Prereq: Mathematical Reasoning course.

**MTH 361. Probability and Statistics in the Health Sciences. 3 credits.**

This course covers topics in probability and statistics considered useful to those students planning on a career in the health sciences. The topics covered include probability principles and distributions in health sciences, types of epidemiologic study designs, estimation of medical parameters in defined patient populations, test of hypothesis, measures and analysis of treatment of the sick, analysis of variance, methods of medical outcome prediction, and prospective, retrospective and cross-sectional studies of disease occurrence. This course meets Designated Statistical Reasoning and Designated Technology requirements. Prereq: Mathematical Reasoning course.

**MTH 362. Statistical Modeling. 3 credits.**

Inferential statistical methods, ANOVA, design and analysis of experiments, regression and nonparametric methods. P. MTH 360 or MTH 361 or instructor consent.

**MTH 400. Current Issues in Mathematics. 1 credit.**

MTH 400 is a capstone course where students make oral presentations of current mathematics topics. Students will be guided through picking a topic, finding materials, writing up a presentation, and making a presentation. The students will offer constructive criticism of each other's presentations. P. Ethics course, Oral Communication course, MTH 310, and one of the following: MTH 347, MTH 349 or MTH 350; Junior or Senior standing.

**MTH 411. Combinatorics. 3 credits.**

Basic counting methods, generating functions, spanning trees, recurrence relations, network algorithms and the inclusion-exclusion formula, applications to information processing and retrieval. P. MTH 310 or Instructor Consent.

**MTH 429. Advanced Linear Algebra. 3 credits.**

Vector spaces and subspaces; linear transformations; matrices, eigenvalues and eigenvectors. P. MTH 350.

**MTH 431. Mathematical History, Philosophy And Ethics. 3 credits. OD (Same as HIS 431, SRP 431)**

An examination of mathematics and mathematical ideas and their relation to philosophical and ethical views from the ancient Babylonians and Pythagoreans to the present. Special attention will be given to non-Western mathematics, ethnomathematics, twentieth-century game theory, encryption, and ethical issues facing the mathematician and society in the past and today. The course assumes no mathematical background beyond the Core E requirements. P. Sr. stdg; PHL 250 or THL 250.

**MTH 443. Numerical Analysis. 3 credits.**

Numerical differentiation and integration; solutions of equations and systems of equations; polynomial approximation; error analysis and eigenvectors; applications to digital computers. P. MTH 246 or MTH 249.

**MTH 445. Advanced Differential Equations. 3 credits.**

Systems of differential equations, qualitative, theory, Laplace and Fourier transforms, partial differential equations, series solutions, Fourier series. P. MTH 350.

**MTH 446. Partial Differential Equations. 3 credits.**

Integral curves and surfaces of vector fields; the Cauchy-Kovalevsky theorem; general linear PDEs, their characteristics and classification; solutions to, and applications of, linear and quasi-linear first order and second order PDEs; Laplace's equation, the heat equation and the wave equation. P. MTH 445.

**MTH 447. Mathematics in Medicine and the Life Sciences I. 3 credits.**

This course is intended to be an overview of a variety of mathematical topics considered useful to those students intending to pursue a career in medicine or the life sciences. The topics covered include mathematics of populations, infectious diseases, and excitable cells. P. MTH 246 or MTH 249 CO: MTH 350.

**MTH 448. Mathematics in Medicine and Life Sciences II. 3 credits.**

This course continues the investigation of math modeling in biomedical sciences. Biological topics include excitable cells, the cardiovascular system, tumors, and the immune system, metabolic systems, and chemotaxis; mathematical techniques include ordinary, stochastic, and partial differential equations. P. MTH 350, MTH 447 or Instructor consent.

**MTH 451. Differential Geometry. 3 credits.**

Calculus of curves, surfaces and manifolds; topics will include hyperbolic geometry, vectors and tensors, fundamental forms, curvature, covariant derivatives, with applications to special and general relativity. P. MTH 347 or MTH 349.

**MTH 455. Chaotic Dynamical Systems. 3 credits.**

This course will study discrete dynamical systems. Topics covered will include one-dimensional and higher-dimensional dynamical systems, fixed points, stability theory, linearization, phase spaces, bifurcation theory, index theory, limit cycles and periodicity, chaos, and attractors. Applications to Biology, Physics, Chemistry, and other areas will be studied. P. MTH 350; MTH 347 or MTH 349.

**MTH 457. Graph Theory. 3 credits.**

Basic properties of graphs, subgraphs, simple graphs, walks, paths, circuits, cycles, connectivity, Eulerian and Hamiltonian graphs, adjacency and incidence matrices, trees, spanning trees, planar graphs, graph coloring, networks. P. MTH 310.

**MTH 459. Topology. 3 credits.**

Set theory; metric space; topological spaces; connectedness; compactness; selected related topics. P. MTH 246 or MTH 249.

**MTH 467. Operations Research. 3 credits.**

Introductory course in operations research. Linear models and solutions using the simplex method, duality theory and sensitivity analysis. P. MTH 350.

**MTH 471. Mathematical Analysis. 3 credits.**

Properties of Euclidean spaces and their applications to functions. P. MTH 310 and Contemporary Composition course.

**MTH 472. Mathematical Analysis II. 3 credits.**

Continuation of MTH 471; functions in metric space. P. MTH 471.

**MTH 473. Complex Analysis. 3 credits.**

Complex arithmetic, polar representations, functions of a complex variable, analyticity and the Cauchy-Riemann equations, complex integration, Cauchy Integral Formula, series, poles and residues, applications to real integration, conformal mappings. P. MTH 347 or MTH 349.

**MTH 481. Modern Algebra I. 3 credits.**

Groups, rings; fields; applications to coding theory. P. MTH 310.

**MTH 482. Modern Algebra II. 3 credits.**

Rings; ideals; field extensions; Galois theory; applications to coding theory. P. MTH 481.

**MTH 492. Internship in Mathematics. 3 credits.**

Internship in Mathematics.

**MTH 493. Directed Independent Readings. 1-3 credits. FA, SP**

May be repeated to a limit of six hours. P. DC.

**MTH 495. Directed Independent Study. 1-3 credits. FA, SP**

May be repeated to a limit of six hours. P. DC.

**MTH 497. Directed Independent Research. 1-3 credits. FA, SP**

May be repeated to a limit of six hours. P. DC.

**MTH 509. Discrete Structures. 3 credits.**

Logic; Boolean algebra; switching circuits; graphs; groups; semi-groups; finite state machines; coding theory; grammars; algorithms. P. CSC 221; 6 hrs. college MTH.

**MTH 525. Automata, Computability, and Formal Languages. 3 credits. OD**

Finite state concepts; acceptors; formal grammars; computability; Turing machines. P. MTH 246 or MTH 249.

**MTH 541. Mathematics for Data Scientists. 3 credits.**

Matrix algebra, vector spaces, bases, linear transformations, linear operators and their properties, introduction to the fundamental principles of mathematical models, especially those useful in data science. P. MTH 246 or equivalent with a grade of B or better.

**MTH 561. Mathematical Statistics I. 3 credits. FA, SU (Same as STA 561)**

Introduction to probability and probability distributions including techniques for finding expected values and variance of discrete and continuous variables. These distributions and their properties are examined to establish their application to applied statistical methods. P. MTH 246 or MTH 249.

**MTH 562. Mathematical Statistics II. 3 credits. SP**

Using probability distributions as a foundation and random sampling, methods for estimating distribution parameters are developed with applications to hypothesis testing. The course also includes an introduction to linear models, regression analysis, analysis of variance and design of experiments. P. MTH 561.

**MTH 563. Mathematical Statistics III. 3 credits. OD (Same as STA 563)**

Optimal decision procedures, further normal distribution theory, noncentral chi-square and F distributions, introduction to the theoretical basis for analysis of variance, nonparametric methods. P. MTH 562.

**MTH 573. Probabilistic Models. 3 credits. OD**

Queuing theory, inventory theory, Markov processes, simulation and nonlinear programming. P. MTH 561.

**MTH 575. Introductory Stochastic Processes. 3 credits. OD**

Random walk, normal processes and covariance stationary processes, counting processes and Poisson processes, renewal counting processes, discrete and continuous parameter Markov chains. P. MTH 561.

**MTH 599. Seminar. 1-3 credits. OD**

Topics in advanced mathematics selected by the instructor. P. IC.

**MUS 100. Music Theory I. 2 credits.**

The Music Theory sequence is designed to give the student a foundational understanding of the music theory of Western art music. Broken into three successive semesters, the first portion of the sequence, Music Theory I, offers basic skills in music theory. CO: MUS 221.



**MUS 101. Music Theory II. 2 credits.**

This second portion of the theory sequence, Music Theory II, moves beyond basic skills in music theory, covering diatonic seventh chords, different elements of chromaticism, the principles of secondary dominants, modulations, basic binary and ternary forms, and secondary leading-tone chords. P. MUS 100. CO: MUS 222.

**MUS 104. Elementary School Music. 2 credits. FA**

Principles of theory, history and appreciation of music essential to a basic understanding of elementary-school music practices and procedures for classroom teachers. P. EDU DC.

**MUS 130. Foundations of Music. 3 credits.**

Foundations of Music is a beginning course for the student who has little or no knowledge to the basic elements of music, including rhythm, meter, intervals, scales, and keys. The course will also give the student the opportunity to further develop his/her listening skills. Students will gain a greater understanding of music through lectures, listening, discussion and application of skills.

**MUS 135. Beginning Class Piano. 1 credit. FA, SP**

Beginning piano lessons in a group setting. The piano lab is equipped with four electronic pianos with full sized keyboards. No prerequisite is necessary.

**MUS 137. Applied Music I-Flute. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. CO: MUS 218 or MUS 318.

**MUS 138. Applied Music I-Oboe. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 218 or MUS 318.

**MUS 139. Applied Music I-Clarinet. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 218 or MUS 318.

**MUS 141. Applied Music I-Saxophone. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 218 or MUS 318.

**MUS 142. Applied Music I-Bassoon. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 218 or MUS 318.

**MUS 143. Applied Music I-Horn. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. CO: MUS 218 or MUS 318.

**MUS 144. Applied Music I-Trumpet. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 218 or MUS 318.

**MUS 145. Beginning Class Piano II. 1 credit. OD**

Continuation of MUS 135. Weekly 1 hour lessons. Special fee is charged.

**MUS 146. Applied Music I-Trombone. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 218 or MUS 318.

**MUS 147. Applied Music I-Euphonium. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 218 or MUS 318.

**MUS 148. Applied Music I-Tuba. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 218 or MUS 318.

**MUS 150. Applied Music I-Percussion. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 218 or MUS 318.

**MUS 151. Applied Music I-Violin. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 220 or MUS 320.

**MUS 152. Applied Music I-Viola. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 220 or MUS 320.

**MUS 155. Applied Music I-Cello. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 220 or MUS 320.

**MUS 156. Applied Music I-String Bass. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 220 or MUS 320.

**MUS 157. Applied Music I-Piano. 1 credit. FA, SP**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 212 or MUS 218 or MUS 220 or MUS 312 or MUS 313 or MUS 318 or MUS 320.

**MUS 158. Applied Music I-Organ. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 212 or MUS 218 or MUS 220 or MUS 312 or MUS 313 or MUS 318 or MUS 320.

**MUS 159. Applied Music I-Harp. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 218 or MUS 318.

**MUS 160. Applied Music I-Guitar. 1 credit. FA, SP**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 218 or MUS 318.

**MUS 161. Applied Music I-Voice. 1 credit. FA, SP**

Individual lessons. May be repeated to a limit of two credits. No prerequisite. Special fee is charged. Juried examination at the end of each semester. CO: MUS 212 or MUS 312 or MUS 313.

**MUS 200. Music Theory III. 2 credits.**

This third portion of the theory sequence, Music Theory III, moves into advanced skills in music theory, covering mode mixture, augmented sixth chords, and twentieth century techniques. P. MUS 101; CO: MUS 321.

**MUS 201. Jazz Theory. 2 credits.**

This course is the jazz equivalent of Music Theory III, covering a review of basic theory, rhythm in jazz performance, basic tonal materials, triadic generalization, diatonic harmonic progressions and harmonic analysis, substitutions and turnarounds, common melodic outlines, and an overview of voicings. P. MUS 101; CO: MUS 322.

**MUS 208. Jazz Ensemble I. 1 credit. FA, SP**

An ensemble dedicated to study and performance in the jazz idiom. Auditions with director by appointment. May be repeated to a limit of three hours for credit.

**MUS 212. University Chorus I. 1 credit. FA, SP**

An open ensemble of singers across campus singing public performances of works written for medium to larger choirs. No audition necessary. May be repeated to a limit of three hours for credit.

**MUS 218. Symphonic Band I. 1 credit. FA, SP**

A symphonic band, dedicated to study and performance of the finest concert music for winds and percussion. No prerequisite. Audition with director by appointment. May be repeated to a limit of three hours for credit.

**MUS 219. Introduction to Rhythms of the African Diaspora. 1 credit.**

This class introduces rhythms and drumming of folkloric and popular traditions included in the African diaspora with particular focus on the music of Cuba, Brazil and the United States. Concepts covered will include; clave/bell-oriented phrasing, groove and feel, poly and cross-rhythmic aspects and contemporary applications. These will be explored through the examination and preparation of various musical genres including rumba, bembé, jazz, New Orleans second line, salsa, timba, samba, partido also, etc.

**MUS 220. University Orchestra I. 1 credit. FA, SP**

A string orchestra dedicated to study and performance of the finest concert literature. Audition with director by appointment. Wind and percussion instruments audition as needed. May be repeated to a limit of three hours for credit.

**MUS 221. Ear Training And Sight Singing I. 1 credit. SP**

Development of the student's proficiency in fundamental skills of musicianship, including melodic and rhythmic dictation, the singing of melodies at sight, and basic eurhythmic techniques. Provides the music student with the tools to identify, both aurally and cognitively, the basic tonal and rhythmic elements of music.

**MUS 222. Ear Training And Sight Singing II. 1 credit. FA**

Second course in the three semester sequence. P. MUS 221.

**MUS 237. Applied Music II-Flute. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits); CO: MUS 218 or MUS 318.

**MUS 238. Applied Music II-Oboe. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 239. Applied Music II-Clarinet. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 241. Applied Music II-Saxophone. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 242. Applied Music II-Bassoon. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 243. Applied Music II-Horn. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 244. Applied Music II-Trumpet. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 246. Applied Music II-Trombone. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 247. Applied Music II-Euphonium. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 248. Applied Music II-Tuba. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 250. Applied Music II-Percussion. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 251. Applied Music II-Violin. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 220 or MUS 320.

**MUS 252. Applied Music II-Viola. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 220 or MUS 320.

**MUS 255. Applied Music II-Cello. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 220 or MUS 320.

**MUS 256. Applied Music II-String Bass. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits); CO: MUS 220 or MUS 320.

**MUS 257. Applied Music II-Piano. 1 credit. FA, SP**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 212 or MUS 218 or MUS 220 or MUS 312 or MUS 313 or MUS 318 or MUS 320.

**MUS 258. Applied Music II-Organ. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 212 or MUS 218 or MUS 220 or MUS 312 or MUS 313 or MUS 318 or MUS 320.

**MUS 259. Applied Music II-Harp. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 260. Applied Music II-Guitar. 1 credit. FA, SP**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 261. Applied Music II-Voice. 1 credit. FA, SP**

Individual lessons. May be repeated to a limit of two credits. Special fee is charged. Juried examination at the end of each semester. P. MUS 100-level lesson (2 credits). CO: MUS 212 or MUS 312 or MUS 313.

**MUS 265. Musical Theatre Performance Lab (solo). 2 credits.**

An intensive singing/interpretive laboratory experience specifically focusing on audition preparation and the solo dramatic/musical performance of solo scenes and solos from musical theatre repertoire. P. IC.

**MUS 266. English and Latin Diction for Singers and Performers. 2 credits.**

This course is constructed to 1) increase proficiency of phonation; articulation and transcription of the English and Latin languages using the International Phonetic Alphabet; 2) acquire knowledge of rules of English and Ecclesiastical Latin pronunciation specific to the context of singing; and 3) increase intelligibility of vocal repertoire in performance through the application of these principals.

**MUS 267. Italian Diction for Singers and Performers. 2 credits.**

This course provides the voice student the skills needed to sing in Italian. Basic phonetic guidelines will be taught with the use of IPA. It will also give the students a rudimentary understanding of the Italian language in order to translate and thus interpret the vocal literature. The students will learn to transcribe, translate, recite and perform pieces in Italian with the ultimate goal of being able to communicate expressively through singing. Students will also become acquainted with standard Italian vocal literature through performance and listening. P. MUS 266 and MUS 271.

**MUS 271. Voice Class. 3 credits. FA, SP, SU (Same as THR 271)**

The techniques of singing, including voice placement, tone production, breathing, and English diction. Individual attainment in a class setting will be emphasized. No prerequisite required. May be repeated for credit to a limit of six hours.

**MUS 273. Music Appreciation. 3 credits. FA, SP**

Designed to give the student a background in the language of music and listening skills for the perception of music. Includes class attendance at local performances and rehearsals.

**MUS 300. Music History I: Antiquity through Baroque. 3 credits.**

This course is an exploration and introduction to western music beginning in Antiquity and moving through the Baroque era. We will investigate the beginnings of music. Students will learn how the church and monarchy dominated formal education in music as we progress through this period. Eventually this elitism would lead to the rise of the middle class and the mass printing of music. The social and political trends of the time would not only dictate who played music and where it was played, but what type of music was composed. Students will learn about the significant composers that are associated with both the Medieval Period and Baroque Era so they can witness the impact these writers made on future generations of composition. Satisfies Magis Designations: Ethics, Written Communication. P. Contemporary Composition.

**MUS 308. Jazz Ensemble II. 1 credit. FA, SP**

Continuation of MUS 208. May be repeated to a limit of five hours for credit. P. Three credit hours of MUS 208.

**MUS 310. Jazz Improvisation I. 1 credit.**

The first in a 2-semester sequence, these courses present the student with practical exercises for an aspiring jazz musician. The exercises are analyzed with examples from the repertoire of both jazz and classical idioms. The technical, compositional, and theoretical exercises will provide the improvising musician with the tools and musical language needed to compose "spontaneously." P. MUS 201; CO: MUS 208 or 308.

**MUS 311. Jazz Improvisation II. 1 credit. SP**

The second in a 2-semester sequence, these courses present the student with practical exercises for an aspiring jazz musician. The exercises are analyzed with examples from the repertoire of both jazz and classical idioms. The technical, compositional, and theoretical exercises will provide the improvising musician with the tools and musical language needed to compose "spontaneously." P. MUS 310; CO: MUS 208 or 308.

**MUS 312. University Chorus II. 1 credit. FA, SP**

Continuation of MUS 212. May be repeated to a limit of five (5) hours for credit. P. Three credit hours of MUS 212.

**MUS 313. Chamber Choir. 1 credit. FA, SP**

The Creighton University Chamber Choir is an auditioned ensemble of advanced singers performing works written especially for a smaller choir. The ensemble specializes in music of all periods, from the Renaissance through the 21st Century. May be repeated to a limit of eight hours.

**MUS 314. Creighton Chamber Music Ensemble. 0-1 credits.**

This course teaches the fundamentals and core principles behind chamber ensemble performance. Musicianship is both guided and built through student-led ensembles and small conducted chamber groups. Students will develop aesthetic sensitivity, musical knowledge and independent performance skills as an instrumentalist or vocalist. Performance is vital to this course and students will have a plethora of opportunities to present their work. CO: MUS 212/MUS 312 or MUS 313 or MUS 218/MUS 318 or MUS 220/MUS 320.

**MUS 318. Symphonic Band II. 1 credit. FA, SP**

May be repeated to a limit of five semester hours for credit. Continuation of MUS 218. P. Three credit hours of MUS 218.

**MUS 320. University Orchestra II. 1 credit. FA, SP**

Continuation of MUS 220. May be repeated to a limit of five hours for credit. P. Three credit hours of MUS 220.

**MUS 321. Ear Training And Sight Singing III. 1 credit. SP**

Third course in the three semester sequence. P. MUS 222.

**MUS 322. Jazz Ear-Training & Sight-Singing. 1 credit. SP**

This course is the jazz equivalent of Ear-Training & Sight-Singing III, guiding the student in hearing pitches, rhythms, melodies, and chord progressions as directly applied to music in the jazz repertoire. The student will learn to audiate from the written page, transcribe, and sight-sing, all while utilizing appropriate jazz phrasing and articulations. P. MUS 222; CO: MUS 201.

**MUS 337. Applied Music III-Flute. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 338. Applied Music III-Oboe. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 339. Applied Music III-Clarinet. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 341. Applied Music III-Saxophone. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 342. Applied Music III-Bassoon. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 343. Applied Music III-Horn. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 344. Applied Music III-Trumpet. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 346. Applied Music III-Trombone. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 347. Applied Music III-Euphonium. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 348. Applied Music III-Tuba. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 350. Applied Music III-Percussion. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 351. Applied Music III-Violin. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 220 or MUS 320.

**MUS 352. Applied Music III-Viola. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 220 or MUS 320.

**MUS 353. Jazz in American Culture. 3 credits. OD (Same as AMS 353)**

Examines the relationship between American society and the development of jazz in the course of the twentieth century and beyond. Special attention will be given to those cultural, economic, and political factors which could influence jazz trends on a regional or national level.

**MUS 354. Theorizing Hip Hop Music and Culture. 3 credits.**

This course explores theoretical issues that frame hip-hop as both a sociological and musical phenomenon. We will examine multi-disciplinary approaches of scholars and journalists in their treatment of issues including aesthetics, authenticity, identity, globalization, music and meaning, and genre classification. We will also examine models constructed specifically for analyzing musical structures and technical components of hip-hop music. One objective of the course is to assess the validity of new theories and methods put forth by scholars in their quest to objectify and broaden the discourse on hip-hop.

**MUS 355. Applied Music III-Cello. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 220 or MUS 320.

**MUS 356. Applied Music III-String Bass. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 220 or MUS 320.

**MUS 357. Applied Music III-Piano. 1 credit. FA, SP**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 212 or MUS 218 or MUS 220 or MUS 312 or MUS 313 or MUS 318 or MUS 320.

**MUS 358. Applied Music III-Organ. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 212 or MUS 218 or MUS 220 or MUS 312 or MUS 313 or MUS 318 or MUS 320.

**MUS 359. Applied Music III-Harp. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 360. Applied Music III-Guitar. 1 credit. FA, SP**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 361. Applied Music III-Voice. 1 credit. FA, SP**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 200-level lesson (2 credits). CO: MUS 212 or MUS 312 or MUS 313.

**MUS 363. Musical Theatre History and Repertoire I. 3 credits.**

Musical Theatre History and Repertoire I is a survey course that will examine the origin and development of this distinctly American art form, the American musical. This course focuses on the pre-1945 musical. Combining history, culture, music and social themes, the course will take a chronological look at composers and lyricists, producers, choreographers and the artists who performed these works onstage. Students will research and make presentations on musicals from various styles and time periods including minstrel, operetta, revues, book musical, film musicals, rock musicals, recently written musicals and revivals. Students will explore and perform selections from both scripts and scores from each period, focusing on the appropriate stylistic practices needed to perform these songs. P. Successful audition into the major, or declaration of a minor; Completion of one semester of MUS 161; One Magis Core Oral Communication course.



**MUS 364. Musical Theatre History and Repertoire II. 3 credits.**

Musical Theatre History and Repertoire II is a survey course that will examine the origin and development of this distinctly American art form, the American musical. This course focuses on the post-1945 musical. Combining history, culture, music and social themes, the course will take a chronological look at composers and lyricists, producers, choreographers and the artists who performed these works onstage. Students will research and make presentations on musicals from various styles and time periods including minstrel, operetta, revues, book musical, film musicals, rock musicals, recently written musicals and revivals. Students will explore and perform selections from both scripts and scores from each period, focusing on the appropriate stylistic practices needed to perform these songs. P: Successful audition into the major, or declaration of a minor; Completion of one semester of MUS 161; One Magis Core Contemporary Composition course; One Magis Core Ethics course.

**MUS 365. Advanced Musical Theatre Performance Lab (Duet-Ensemble). 2 credits.**

An intensive laboratory experience specifically focusing on the dramatic and musical performance of scenes and duets, trios and ensemble numbers from musical theatre repertoire. Authentic dramatic interpretation and flawless musical preparation and execution will be the primary foci. This course is repeatable to a max of eight credits. P MUS 265.

**MUS 367. German and French Diction for Singers and Performers. 3 credits.**

This course provides the voice student the skills needed to sing in German and French. Basic phonetic guidelines will be taught with the use of IPA. The student will learn to transcribe, translate, recite and perform pieces in German and French, with the ultimate goal of being able to communicate expressively through singing. They will also become acquainted with standard German and French vocal literature through performance and listening. P MUS 267 or MUS 266 and MUS 271.

**MUS 369. American Popular Music. 3 credits. OD (Same as AMS 369)**

This is a lecture/demonstration course that will trace the birth and evolution of popular music in America from its roots in the nineteenth century, jazz, blues, country and rock music through the artists and songs that define the genre.

**MUS 375. Music of the World's Peoples. 3 credits. FA, SP**

This class, designed for majors and non-majors alike, examines the sounds of human culture by way of the following questions: Is music the same throughout the world? What has contributed to making music sound as it does? What do you hear in music? How do you describe what you hear? What connections can you make between music you know and that which you hear for the first time? Included in the semester is a brief introduction to the field of ethnomusicology and three global case studies. Answers to questions come by way of all senses, from hearing to tasting. Each case study involves a variety of hands-on, activity-based learning sessions. The course's capstone is a fieldwork project, exploring a particular segment of personal music culture.

**MUS 381. Accompanying. 3 credits. FA**

Introduction to the principles of keyboard accompanying. Includes, under faculty supervision, accompanying for appropriate departmental ensembles and applied instruction.

**MUS 391. Film Music. 3 credits. (Same as AMS 391)**

The course will survey the important and emerging art genre of film music. The course will include music scores and composers of the past and present combining historical, cultural and social themes in film as enhanced through the music. Some study will include the language of music, in particular, melody, harmony, rhythm, tone color and the composer's use of these elements in creation music for the film. The course will deal primarily with American film but may include selected films of other countries as well.

**MUS 398. Junior Recital. 1 credit. FA, SP**

Preparation and presentation of solo literature in the music major's area of performance concentration. P. Music majors only; Junior standing; Instructor consent. CO: MUS 337-MUS 461.

**MUS 400. Music History II: Classical through Present. 3 credits.**

This course is an exploration and introduction to western music of the last 100 years. Students will learn about the radical changes made in composition during a tumultuous time period. Listening to music in the 20th and 21st century effectively requires a comprehension of previous composers and their compositional techniques. There are numerous styles that encompass this period making it one the richest periods of musical creation. Satisfies Magis Designated Ethics and Magis Designated Written Communication. P. Contemporary Composition, Ethics.

**MUS 410. Jazz Composition & Arranging I. 2 credits.**

As part of a 2-semester sequence, this course addresses all of the basic needs for beginning arrangers. Topics include counterpoint/linear writing, jazz harmony, compositional techniques, and orchestration. The first semester focuses on composition and arranging for small ensembles. P. MUS 200 or MUS 201.

**MUS 411. Jazz Composition & Arranging II. 2 credits.**

The second course in a 2-semester sequence, this course continues to address all of the basic needs for beginning arrangers (counterpoint/linear writing, jazz harmony, compositional techniques, and orchestration) with a focus on composition and arranging for larger ensembles. P. MUS 410.

**MUS 415. Conducting. 3 credits.**

Basic rudiments, posture, stance, conducting patterns, attacks and releases, musical styles, and rehearsal/score preparation for both instrumental and choral conducting. P. MUS 321 and One Magis Core Oral Communication course.

**MUS 437. Applied Music IV-Flute. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 438. Applied Music IV-Oboe. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 439. Applied Music IV-Clarinet. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 440. Liturgy, Music, And The Transformed Life. 3 credits. OD**

A study of the historical development of the relationship between the Eucharist and liturgical music. How the liturgy (Eucharist, scripture reading, music, and architecture) intends the transformation of the assembly into a moral, virtuous, and just community. P. Sr. stdg. and a Magis Core Ethics course.

**MUS 441. Applied Music IV-Saxophone. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 442. Applied Music IV-Bassoon. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 443. Applied Music IV-Horn. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 444. Applied Music IV-Trumpet. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 446. Applied Music IV-Trombone. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 447. Applied Music IV-Euphonium. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 448. Applied Music IV-Tuba. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 450. Applied Music IV-Percussion. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 451. Applied Music IV-Violin. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 220 or MUS 320.

**MUS 452. Applied Music IV-Viola. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 220 or MUS 320.

**MUS 455. Applied Music IV-Cello. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 220 or MUS 320.

**MUS 456. Applied Music IV-String Bass. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 220 or MUS 320.

**MUS 457. Applied Music IV-Piano. 1 credit. FA, SP**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 212 or MUS 218 or MUS 220 or MUS 312 or MUS 313 or MUS 318 or MUS 320.

**MUS 458. Applied Music IV-Organ. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 212 or MUS 218 or MUS 220 or MUS 312 or MUS 313 or MUS 318 or MUS 320.

**MUS 459. Applied Music IV-Harp. 1 credit. OD**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 460. Applied Music IV-Guitar. 1 credit. FA, SP**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 218 or MUS 318.

**MUS 461. Applied Music IV-Voice. 1 credit. FA, SP**

Individual lessons. May be repeated to a limit of two credits. Juried examination at the end of each semester. P. MUS 300-level lesson (2 credits). CO: MUS 212 or MUS 312 or MUS 313.

**MUS 471. Singing Social Justice. 3 credits.**

This course will explore the relationship between music and social justice, examining the role of music in the expression of desire and longing for social justice and the function of music in the promotion and building of social justice movements. P. Critical Issues in Human Inquiry course; Senior standing.

**MUS 495. Independent Research Project. 1-3 credits. FA, SP**

Directed research and study in music to meet the individual needs of the student. May be repeated to a limit of six hours. P. IC, DC.

**MUS 498. Senior Recital. 1 credit. FA, SP**

Preparation and presentation of solo literature in the music major's area of performance concentration. P. Sr. stdg.; MUS Majors only, IC. CO: MUS 437-461.

**NAS 101. Introduction To Native American Studies: Anthropological Approaches. 3 credits. FA, SP (Same as ANT 101)**

This course introduces students to the fundamental paradigms and methods of social science, particularly anthropology, sociology and history through a study of contemporary and historical Native American Studies. Through a series of lectures, discussions and field trips to local sites, students will become familiar with the variety of historical and contemporary Native societies and the manner in which social scientists have and continue to dialogue with Native peoples in the present.

**NAS 108. The Native American World. 3 credits. FA, SP (Same as ANT 108, HIS 108)**

This course is a survey of the development of Native American societies and cultures from their appearance on the continent to the present emphasizing the evolution of cultural, political, and social systems and the imprint of contact with Euro-American cultures.

**NAS 316. Qualitative Methods In The Social Sciences. 3 credits. SP (Same as AMS 316, ANT 316, SOC 316)**

Introduction to qualitative research methods within the social sciences. Includes research design, strategies for collecting ethnographic data with a particular focus on participant observation and field work, comparative research, theory building, and ethical issues involved with human research.

**NAS 321. American Indian Tribal Government and Politics. 3 credits. (Same as PLS 321)**

This course will provide students with an overview of the development of modern tribal governments, their powers, and the problems they face. Students will examine contemporary tribal governments and the issues currently facing tribes including economic development and intergovernmental relations. P. So. stdg.

**NAS 324. Native American World View, Culture and Values. 3 credits. ONY, SP (Same as PHL 324)**

This course takes a multidisciplinary approach to formulating the varieties of worldviews among Native groups with an emphasis on commonalities and uniqueness among different groups during different historical eras. The course begins by critically looking at reconstructions of Native worldviews in the pre-European contact era as constructed by later Natives, anthropologists and ethno historians based on a variety of sources. The course focuses on the many media through which Native cosmologies are expressed as well as the historical circumstances that have continued to transform Native cosmologies. P. Philosophical Ideas course.

**NAS 331. Indians of the Great Plains. 3 credits. ONY, SP (Same as AMS 331, ANT 331)**

This course provides a comprehensive interdisciplinary approach to the study of Native cultures on the Great Plains. We will examine ecology, geography, geology, natural resources, archaeology, history, art, linguistics, cultures, as well as the human habitation of the area from first records (which are both archaeological and oral historical) to the present. The course will be run seminar style. Each student (or group depending on the size of the class) will choose a specific cultural group for study. If a student is a member of a plains Indian group the student is required to study a linguistically and culturally different group. The professor will act as a resource for methodology and research strategies. Each student will bring to the seminar a summary of relevant data for the group she/he is studying and present it to the class. Students will also build a portfolio of short papers on each seminar topic that will be assembled into a major paper at the end of the semester. P. So. stdg.

**NAS 335. Federal Indian Policy and Law. 3 credits. OD (Same as AMS 335, PLS 335, SWK 335)**

Investigates the relationships between Native American and Euro-Americans in terms of how the Natives were perceived and the impact this has had on Colonial and Federal policies relating to Native populations. Emphasis is on the historical, political and cultural aspects of the relationship. P. So. stdg.

**NAS 340. Native American Cultures and Health. 3 credits. FA (Same as AMS 340, ANT 340)**

This course allows students to learn first hand about the cultures and health care practices of Native Americans by participating in seminars offered by Native tribal and spiritual leaders, healers, and others who work with Native populations in promoting wellness and pride in culture, and through professional and community-related service and research activities. Students will engage with SPAHP students enrolled in the Pharmacy version of this course, "Learning through Reflective Service: Native American Experience" (PHA 341). Enrolled undergraduate students will engage in service with Omaha based health agencies and attend group reflection sessions.

**NAS 343. Peoples and Cultures of Native North America. 3 credits. ENY, FA (Same as AMS 343, ANT 343)**

Historic and ethnographic survey of the Native cultures of North America. Includes an analysis of the ecological, social, and ideological adaptations and cultural changes brought by contact with Euro-American populations. P. So. stdg.

**NAS 346. Peoples and Cultures of Latin America. 3 credits. FA (Same as ANT 346)**

A study of the cultures of Latin America. Includes an analysis of the culture history, ecological adaptations, social adaptations, ideological adaptations, and the nature of culture change for indigenous peoples and subsequent immigrants to the regions of the Americas where linguistically Spanish and Portuguese now predominate.

**NAS 353. Special Topics in Native American Literature. 3 credits. (Same as ENG 353)**

The course focuses on several seminal literary texts in the Native American literary tradition as it emerged in the twentieth century. P. ENG 120, ENG 121, ENG 150.

**NAS 358. Critical Issues In The Study Of Native American Religions. 3 credits. ONY, SP (Same as AMS 358, ANT 358, THL 358)**

This course utilizes anthropological perspectives in the study of Native American religion. The focus of the course is non-Western, non-proselytizing religions which are coterminous with local political or kinship based social groups. The course looks at the history of the study of Native religions, the nature of Native religions as understood by a variety of disciplines, and the contemporary critique of colonialism by Native peoples specifically in regard to intellectual colonialism of Native knowledge and the practical colonialism inherent in the imitation of Native religions by non-tribal members.

**NAS 365. Issues Of The Native American Experience. 3 credits. FA (Same as AMS 365, SWK 365)**

Examination of Native American culture and values, social institutions and social systems. Presentation of issues emanating from being Native American. Consideration is given to understanding the Native American experience from an historical perspective as well as the contemporary viewpoint. P. So. stdg.

**NAS 386. The History And Aesthetics Of Latin American Photography. 3 credits. (Same as ARH 386)**

Examination of the history and aesthetics of photography as a medium of visual expression in the culture of Latin America. Study of the evolution of contemporary Latin American photography from its 19th century "colonial" roots through periods of 20th century revolution and independence to the contemporary post-modern idiom of Latin American image-making. Emphasis on the study of photographic themes that are specific to the Latin American cultural experience: colonialism, revolution and independence, native and tribal society, religion and cult, economic oppression and poverty, politics and self-determination, geography and natural resources, language and architecture. P. One Magis Core Oral Communication course.

**NAS 387. Modern Hispanic Art History. 3 credits. (Same as AMS 387, ARH 387)**

Modern Hispanic Art History will survey the painting, sculpture and architecture of Latin America along with some of its Spanish influences, from 1820 to the present. Native American and African influences on Latin American art will be surveyed. Key figures to be studied are: Rivera, Torres-Garcia, Lam, Matta, Kahlo, Varo, Chambi, Salgado, Barragan, Botero, Bravo, Jimenez, etc.

**NAS 424. Sustainability and Rural America. 3 credits. SP, SU (Same as EVS 424, SOC 424)**

This interdisciplinary course studies sustainability and the diverse cultures of rural American peoples by looking at topics such as ethics, environmental resources, economic strategies, public policy and social inequality. This course offers off-campus field observation and ethical reflection assignments and involves students in active collaborative problem-solving research. P. Sr. stdg and one course from: PHL 270, PHL 271, PHL 272, PHL 275, THL 270, THL 272, THL 273.

**NAS 468. Native American Art. 3 credits. OD (Same as AMS 468, ARH 468)**

Survey of Native American art from the 16th century to the present with a concentration on the art of the continental United States. Includes Northwest, Southwest, and Plains cultures.

**NAS 493. Directed Independent Readings. 1-6 credits. FA, SP, SU**

Student-initiated survey of the literature related to a broad topic in anthropology not covered in the student's course work. Undertaken in close cooperation with a supervising faculty member. May be repeated to a limit of six hours. P. IC.

**NAS 495. Directed Independent Study. 1-6 credits. FA, SP, SU**

This course provides for a student-initiated project on a focused topic in Native American studies, utilizing library materials and/or field research and involving close cooperation with a supervising faculty member. The course may be repeated to a limit of six hours. P. IC.

**NAS 497. Directed Independent Research. 1-6 credits. FA, SP, SU**

Student-initiated empirical project on a focused topic in Native American Studies, involving close coordination with a supervising faculty member. May be repeated to a limit of six hours. P. IC.

**NAS 499. Native American Studies Senior Capstone. 3 credits.**

The capstone course in Native American Studies allows a student to focus on a research topic or service learning experience utilizing all the knowledge and experience gained throughout his/her course of study within the major. Each student meets weekly with his/her mentor and writes a major research paper rooted in a single disciplinary perspective and covering selected program learning goals and objectives. P. Sr. stdg. and IC.

**NES 297. Directed Research. 0-3 credits.**

An introduction to laboratory methods intended to prepare students for independent research. this course is only an addition to and not a substitution for any portion of the major requirement. This course may not be repeated; research students should enroll in NES 397 or 497 in subsequent semesters. No more than 12 semester hours of credit may be accrued in any combination of NES 297, NES 397 and NES 497. P. IC.

**NES 304. Ultimate Questions: Where Theology Meets Neuroscience. 3 credits. (Same as THL 304)**

This course explores the relationship between systematic theology and neuroscience. A necessary tension exists between theology and science which reveals the miraculous complexity of human nature and how persons flourish. Students will learn neuroscience concepts and apply them to systematic theology by asking ultimate questions and critically engaging interdisciplinary concepts. Satisfies Magis Core: Ultimate Questions. P. Philosophical Ideas, The Christian Tradition, The Biblical Tradition.

**NES 397. Directed Independent Research (Extramural). 0-3 credits.**

A program of independent study emphasizing laboratory or field research, intended for students working with mentors outside of the Biology department housing the Neuroscience major or the College of Arts and Sciences. The director of the Neuroscience serves as the instructor of record and oversees completion of course requirements by the student under the research supervision of the outside mentor. No more than 12 semester hours of credit may be accrued in any combination of NES 297, 397, 495, and 497. P. Instructor consent.

**NES 464. Neurobiology of Disease. 3 credits. SP (Same as BIO 464)**

To understand neurological disease, its profession, and discover novel therapeutics requires in-depth knowledge of the cellular and molecular underpinnings of the disorders. Students will revisit concepts from pre-requisite courses but apply them to the function and activity of the brain and to circumstances where normal biology breaks down. P. Ethics; Contemporary Composition; BIO 202 and BIO 362.

**NES 466. Pharmacology of Drugs and Abuse. 3 credits.**

The course will introduce the psychopharmacology of drug abuse and addiction, and has a strong neuroscience orientation. An introduction to pharmacologic thought and basic principles will be provided. The acute and long-term effects of selected drugs of abuse on behavior, mood, cognition and neuronal function will be discussed. Studies with humans will be integrated with basic preclinical studies on the neurobiological basis of drug action and drug abuse. There will be detailed coverage of synaptic transmission and the distribution, regulation and integration of brain neurotransmitter systems. The focus is on addictive drugs, including: opiates (heroin, morphine, opium), sedative - hypnotics (alcohol, barbituates), anxiolytics (benzodiazepines), psychomotor stimulants (amphetamine, cocaine, nicotine), marijuana, hallucinogens (LSD, mescaline), hallucinogenic-stimulants (MDA, MDMA), and dissociative anesthetics (PCP). P. BIO 201, CHM 203, PSY 201, PSY 437.

**NES 497. Directed Independent Research (Intramural). 0-3 credits.**

A program of independent study emphasizing laboratory or field research, intended for students working with mentors within the Biology department housing the Neuroscience Program. The mentor acts as the instructor of record. No more than 12 semester hours of credit may be accrued in any combination of NES 297, NES 397 and NES 497. P. IC.

**NES 498. Neuroscience in the Community. 0-3 credits.**

This course will apply and expand student's knowledge of the central nervous system and its diseases through active engagement with the community to share knowledge. Students will develop a body of written and verbal neuroscience themed presentations for use by our partner organizations and greater community. P. BIO 462 or BIO 464 or NES 464 or IC.

**NES 500. Introduction to Clinical Neuroscience. 4 credits.**

This course provides an introduction to the various diseases and injuries that affect the human nervous system, an introduction to the professions that work with neurologically impaired individuals and recent research into the treatment of these disorders. The topics covered will include the underlying pathology and mechanisms, the signs, symptoms and deficits, patient management, and the prognosis of selected diagnoses including (but not limited to) spinal cord injury, chronic traumatic encephalopathy, Alzheimer's disease, Parkinson's disease, bipolar disorder. Included will be a survey of the training and role of the various healthcare professions that address neurological impairments. Relevant research concerning the pathophysiology of nervous system disorders and the repair and regeneration of nervous system tissue will be introduced. P. BIO 462, BIO 463 or IC.



**NES 510. Neurophysiology Lab. 2 credits.**

This laboratory course is focused on delivering extensive instruction and exploration of neurophysiology and neural basis of behavior with emphasis on the mastering of techniques used within the field of neuroscience to evaluate electrical activity and intracellular communication within the nervous system. The course is designed to build upon and allow for mastering of neurophysiology concepts and techniques learned in BIO 463, Neurobiology Laboratory. This team-taught course draws upon diverse expertise of instructors to deliver a comprehensive course using both invertebrate and vertebrate models for the study of neurophysiology. Students will use neuronal systems network modeling during hands-on laboratory activities and will be expected to apply the scientific method during the implementation and critical analysis of experiments involving model systems. Students will meet the designated writing component of the Magis Core curriculum by writing an independent grant proposal directed at testing a novel hypothesis in the field of neurophysiology. The grant proposal will serve as a mechanism to improve students' written communication, critical thinking and problem solving skills. P. BIO 462, BIO 463, Contemporary Composition.

**NES 592. Neuroscience Senior Seminar. 1 credit.**

This course covers in-depth reading and discussions on current neuroscience research topics. Students will learn to critically review current scientific papers. Students will be expected to select, read, present and lead discussions of scientific articles covering prevailing theories, concepts, ideas, and experimental techniques in neuroscience. This course will meet the Magis Core Designation for Oral Communication by recording and evaluating student presentations for accuracy of content, mastery of scientific discipline, effective oral delivery, and engagement of the audience. P. Oral Communication course; Senior Standing.

**PHL 110. Philosophical Ideas:Reality, Knowledge, and the Good Life. 3 credits.**

An exploration of philosophical ideas about the nature of reality, the scope of human knowledge, and the nature of a good human life through the study of primary philosophical texts. Students will study theories and concepts that philosophers of the Western tradition have used to explore these ideas.

**PHL 111. Philosophical Ideas:Law. 3 credits.**

An inquiry into the nature and purpose of the law in human society and the relationship between the law and reason. Students will analyze and evaluate a variety of Western philosophers' views about these subjects as they prepare to develop and defend their own views on the subjects.

**PHL 112. Philosophical Ideas:Foundations of the Sciences. 3 credits.**

This course will introduce students to the major philosophical frameworks and underlying philosophical concepts utilized in the sciences such as causality, chance, matter, unity, teleology, possibility, necessity, space, time, substance, and motion, but also the various powers of mind such as perception, understanding, reason, intuition, imagination, and creativity.

**PHL 170. Slavery and Freedom. 3 credits.**

A study of the nature of slavery, the nature of freedom, and the relationship between them through readings in classic texts of Western political thought and classic slave narratives. Satisfies: Magis Core: Critical Issues in Human Inquiry. CO: COM 101.

**PHL 202. Informal Logic. 3 credits.**

A practical study of argument and critical thinking, including an examination of how to recognize and evaluate arguments encountered in everyday media, and how to construct one's own arguments. Topics include: deduction, induction, validity, soundness, criticizing premises, clarifying meaning, uses of language, definition, conceptual theories, informal fallacies, conceptual analysis, causal arguments, analogical arguments, and normative arguments.

**PHL 270. Philosophical Ethics. 3 credits.**

A critical study of fundamental philosophical theories, including a utilitarian theory, a deontological theory, and a virtue ethics theory, about the nature and sources of moral obligation, moral virtue, justice, wisdom, and a good human life. Students will use these theories to evaluate critically their own ethical presuppositions and to form well-reasoned judgments about how to act in complex practical situations. P. One Magis Core Philosophical Ideas course.

**PHL 271. Philosophical Ethics: Cortina Community. 3 credits. (Same as JPS 271)**

This course is a component of the Cortina Community program. It is a critical study of fundamental philosophical theories, including a utilitarian theory, a deontological theory, and a virtue ethics theory, about the sources of moral obligation, moral virtue, justice, wisdom, and a good human life. Students will use these theories in conjunction with reflection on first-hand experience of serving others to evaluate critically their own ethical presuppositions and to form well-reasoned judgments about moral problems related to social justice. P. Membership in the Cortina Community and one Magis Core Philosophical Ideas course.

**PHL 272. Philosophical Ethics: Poverty. 3 credits.**

A critical study of fundamental philosophical theories, including a utilitarian theory, a deontological theory, and a virtue ethics theory, about the nature and sources of moral obligation, moral virtue, justice, wisdom, and a good human life. Students will use these theories to evaluate critically their own ethical presuppositions and to form well-reasoned judgments about complex practical problems related to poverty. P. One Magis Core Philosophical Ideas course.

**PHL 275. Philosophical Ethics: Energy and Environment. 3 credits.**

A critical study of fundamental philosophical theories, including a utilitarian theory, a deontological theory, and a virtue ethics theory, about the nature and sources of moral obligation, moral virtue, justice, wisdom, and a good human life. Students will use these theories to evaluate critically their own ethical presuppositions and to form well-reasoned judgments about how to act in complex practical situations, including the practical situation associated with different types of energy technologies and their impacts on the environment. P. One Magis Core Philosophical Ideas course.

**PHL 295. Philosophy Internship. 1-3 credits.**

Students will gain entry-level professional experience in a vocational field of their choice under the supervision of a professional in the field. Students will reflect on how they use their philosophical knowledge, skills, and virtues in this experience under faculty supervision. P. Philosophy major; sophomore standing; instructor consent.

**PHL 300. Ultimate Questions: Spirituality/Philosophy. 3 credits.**

This course offers a philosophical perspective on some basic spiritual themes including suffering, compassion, forgiveness, love, death and the nature of ultimate reality. Students will study contemporary and historical discussions of these ideas. They will also be challenged to develop their own position on fundamental spiritual and religious questions. P. One Magis Core Philosophical Ideas course, one Magis Core The Christian Tradition course, and one Magis Core The Biblical Tradition course.

**PHL 320. Ultimate Questions: God and Persons. 3 credits.**

This course examines, from the viewpoint of rational inquiry, questions concerning God (classic and contemporary arguments on the existence of God and contemporary atheism and agnosticism, the nature of God, approaches toward God, the problem of evil in the light of belief in God) and human personhood (freedom and determinism, human destiny, the meaning of human life). P. One Magis Core Philosophical Ideas course, One Magis Core The Christian Tradition course and One Magis Core The Biblical Tradition course.

**PHL 321. Theory of Knowledge. 3 credits.**

Advanced study of human knowledge. Examination of the sources of knowing in reason and sense, grounds for establishing the validity of claims to know, the relationships between various sciences and other methods and ways of knowing. P. Philosophical Ideas course.

**PHL 324. Native American World View, Culture and Values. 3 credits. (Same as NAS 324)**

This course takes a multidisciplinary approach to formulating the varieties of worldviews among Native groups with an emphasis on commonalities and uniqueness among different groups during different historical eras. The course begins by critically looking at reconstructions of Native worldviews in the pre European contact era as constructed by later Natives, anthropologists and ethno historians based on a variety of sources. The course focus on the many media through which Native cosmologies are expressed as well as the historical circumstances that have continued to transform Native cosmologies. P. Philosophical Ideas course.

**PHL 325. The Ostracism Of God And Modern Atheism. 3 credits.**

An examination of the historical origins, theoretical foundations, and internal logic of modern atheism. P. Philosophical Ideas course.

**PHL 328. Philosophy of History. 3 credits.**

Examination of some speculative theories about the direction of history from Plato to contemporary authors. Examination of the critical philosophy of history which considers the nature and status of historical knowledge and methods. P. Philosophical Ideas course.

**PHL 331. Moral Philosophy. 3 credits.**

Advanced study of contemporary ethical theories, significant features of the moral life, and applications of both to contemporary moral problems. Satisfies Magis Core Designated Ethics. P. Philosophical Ideas course, Ethics course.

**PHL 332. World Philosophy. 3 credits.**

This course looks at different global philosophical traditions - for example, Indian Philosophy, Chinese philosophy, Buddhist philosophy, African philosophy and Western philosophy - from a historical perspective. It considers seminal texts, such as the Upanishads, the Analects, the Daodeching and the Dhammapada; and it looks at comparative themes, such as nature, suffering, violence, human nature, and the meaning of life. P. Philosophical Ideas course.

**PHL 333. Philosophy Of The Human Sciences. 3 credits.**

Examination of the methodology of the human sciences (e.g., psychology, sociology, political science) and comparison of this methodology with that of the natural sciences. Examination of Continental and Anglo-American criticisms, phenomenological social sciences, hermeneutics, and critical theory. P. Philosophical Ideas course.

**PHL 334. Philosophy Of The Natural Sciences. 3 credits.**

Investigation of basic concepts in natural science and of the elements of scientific inquiry - law, theory, causality, probability, confirmation and disconfirmation, proof, and scientific change. The history of the natural sciences, especially of the scientific revolution of the 16th and 17th centuries, is used as the context for analyzing these concepts. P. Philosophical Ideas course.

**PHL 340. Philosophy of Language. 3 credits.**

Introduction to some fundamental philosophical problems related to language through the study of classic and contemporary works. Topics such as meaning, reference, truth, and the relationship between meaning and use will be addressed. Satisfies Magis Designated Technology. P. Philosophical Ideas course.

**PHL 342. Metaphysics. 3 credits.**

Advanced study of the philosophy of being, the most general study of reality and its constitutive parts; examination of traditional and contemporary positions on the existence and nature of God, the ultimate character of matter and mind, the nature of being and becoming. P. Philosophical Ideas course.

**PHL 345. Philosophy for Children. 3 credits.**

This course introduces a curriculum aimed at fostering creative and critical thinking for children. Philosophy begins in wonder. This course seeks to reawaken the sense of wonder and protects children's capacity of questioning. A careful examination on the issue from both the theory and practice of doing philosophy with children will be involved. P. Philosophical Ideas course.

**PHL 348. Philosophy of Feminism. 3 credits.**

An examination of a number of philosophical approaches, such as those rooted in existentialism, liberalism, and Marxism, to issues concerning gender. Topics from fields such as ethics, politics, philosophy of law, epistemology, and philosophy of science will be addressed. P. Philosophical Ideas course.

**PHL 351. Chinese Philosophy. 3 credits. (Same as THL 351)**

Origin and development of Chinese philosophy. The basic doctrines and moral principles that the Chinese tradition holds. Different schools of Chinese philosophy, such as Confucianism, Daoism, and Moism. How Chinese philosophy has been practiced in daily life. The conflicts between Chinese tradition and modern China. P. Philosophical Ideas course.

**PHL 353. Introduction to Buddhism. 3 credits. (Same as THL 353)**

Origin and development of Buddhism's basic doctrines and beliefs. The different schools of Buddhist traditions, and the changes as Buddhism spread from India through China and Japan to the West. How Buddhist teachings are practiced in daily life. P. Philosophical Ideas course.

**PHL 354. Environmental Ethics. 3 credits. (Same as EVS 354)**

Critical study of the anthropocentrism-nonanthropocentrism debate and the individualism-holism debate and how they affect each other in the context of the determination of ecological value. If anthropocentrism is in some ways defective, what implications do these defects have for our moral obligations to animals, plants, waters, soil, future generations, species, ecosystems, and the planet? Satisfies Magis Core Designated Ethics. P. Philosophical Ideas course, Ethics course.

**PHL 355. Science, Technology, and Values. 3 credits.**

Investigation of ethical issues raised by science and technology in such areas as change of the environment, governmental control of population, restrictions on scientific research, technology assessment, work in a technological society, and genetic manipulation. Also, consideration of science and technology themselves as values, their dominance in our culture and some of the effects of that dominance on other values. P. Philosophical Ideas course.

**PHL 356. Philosophy of Peace and War. 3 credits.**

Examination of philosophical issues related to peace and war. Emphasis on an analysis of the traditional just war theory and on the more extreme alternatives of pacifism and the "war is hell" doctrine. P. Philosophical Ideas course.

**PHL 358. Social And Political Philosophy. 3 credits.**

Critical study of classical and contemporary theories concerning the nature and value of social and political institutions such as the state, the family, and civil society. Examination of the nature and application of political ideals such as justice, freedom, equality, and community. Satisfies Magis Core Designated Technology. P. Philosophical Ideas course.

**PHL 359. History of Ethics. 3 credits.**

Examination of the history of Western ethical theory from ancients to contemporary philosophers. Emphasis on primary sources. P. Philosophical Ideas course.

**PHL 360. History of Medieval Ethics. 3 credits. (Same as CNE 360)**

An investigation of mediaeval ethics, tracing its roots in classical antiquity and religious tradition, outlining its innovations, and outlining the ways in which it lays the foundations of modern ethics. P. Philosophical Ideas course, Ethics course.

**PHL 365. Classics of Political Thought. 3 credits. (Same as PLS 365)**

Critical readings of Plato, Aristotle, Machiavelli, Hobbes, Locke, and Marx, with emphasis on their contributions to contemporary political understanding. P. So. stdg.

**PHL 367. American Philosophy. 3 credits. (Same as AMS 367)**

Surveys some of the works of significant figures in philosophy in America, both past and present. Includes classical American philosophy as well as important individuals outside that tradition. Focuses primarily on metaphysical and epistemological themes. P. Philosophical Ideas.

**PHL 368. Moral Psychology. 3 credits.**

Moral psychology studies issues at the junction of psychology and moral philosophy. This course investigates the nature of motives, intentions, emotions, and choices and their role in explaining our acts. It also explores states of mind (such as negligence, love, and anger) that might render an agent more or less responsible for an act. Other topics for discussion include self-deception, ignorance, and omissions. P. Philosophical Ideas course.

**PHL 370. Ancient Greek and Roman Philosophy. 3 credits. AY (Same as CNE 370)**

Examination of the origins and development of Western philosophy in ancient Greece and Rome from the pre-Socratics to Hellenistic philosophy, with substantial study of the works of Plato and Aristotle. P. Philosophical Ideas course.

**PHL 371. History of Hellenistic Philosophy. 3 credits. (Same as CNE 371)**

Examination of the development of Western philosophy after Aristotle during the Hellenistic period in ancient Greece and imperial Rome. The study of Epicureanism (pleasure is the highest good), Stoicism (living in agreement with nature is the highest good), Skepticism (peace of mind is gained by suspending one's judgment on all dogmatic claims to truth), and Neo-Platonism. P. Philosophical Ideas course.

**PHL 372. History of Medieval Philosophy. 3 credits. (Same as CNE 372)**

Study of St. Augustine and the development of Scholasticism; the Arab commentators; the achievements of St. Thomas Aquinas; Duns Scotus; William of Ockham and the rise of nominalism. P. Philosophical Ideas course.

**PHL 373. History of Modern Philosophy. 3 credits.**

Study of the development of Western philosophy from Descartes through Kant (1600-1800); examination of the central figures of Continental rationalism and British Empiricism, and the critical philosophy of Kant. P. Philosophical Ideas course.

**PHL 374. History of 19th-Century Philosophy. 3 credits.**

Study of important nineteenth-century philosophers such as Hegel, Feuerbach, Marx, Comte, Kierkegaard, Nietzsche, and Mill; themes include idealism, existentialism, Marxism, and utilitarianism. P. Philosophical Ideas course.

**PHL 390. Philosophy of Law. 3 credits. (Same as PLS 390)**

Using narratives, judicial decisions, and scholarly articles, this course examines philosophical problem related to law such as the nature of law itself and concepts such as responsibility, duty, liberty, rights, punishment, and justice. P. Philosophical Ideas course, Ethics course.

**PHL 398. Introduction to Logic. 3 credits.**

A formal study of reasoning and argument encountered in writing. Topics include: schematization of arguments, categorical logic, Venn diagrams, propositional logic, truth tables, inductive logic, validity, soundness, and forms of inference. P. Philosophical Ideas course.

**PHL 399. Symbolic Logic. 3 credits.**

Study of the historical development of logic; the nature of formal systems; truth tables; the method of deduction; propositional calculus; monadic and polyadic predicate logic and first order general predicate logic; axiomatics; introduction to set theory; metalogical problems. P. Philosophical Ideas course.

**PHL 401. Themes in Contemporary Philosophy. 3 credits.**

Examination of topics in philosophy as selected by the professor. Themes are chosen to highlight new developments in philosophy, contemporary expressions of traditional philosophical movements, or recent trends in specific philosophical traditions. Course will be subtitled in the Schedule of Courses. May be repeated to a limit of six hours. P. Philosophical Ideas course.

**PHL 404. Bioethics and Society. 3 credits. (Same as HAP 404)**

Bioethics and Society explores questions of ethics and social justice arising from present and emerging medical and biotechnologies, e.g. cloning, germline genetic engineering, and nanotechnology. Satisfies Magis Core Intersections and Designated Technology P. Critical Issues in Human Inquiry course. Sr. Stdg.

**PHL 410. Stoicism. 3 credits. (Same as CNE 410)**

Study of the philosophy originated by Zeno of Citium in the Stoa Poikile in Athens around 300 BCE and the influence of Stoicism in the history of Western philosophy. Investigation of the Stoic system of physics, logic, and ethics; the doctrines of naturalism, rationalism, fatalism, providence, cosmopolitanism, autarky, apatheia, and suicide. Possible topics include philosophy of mind, philosophy of language, freedom and determinism, and political philosophy. P. Philosophical Ideas course.

**PHL 413. Philosophy and Literature. 3 credits.**

Examination of philosophical concepts and issues crucial to understanding and appreciating works of great literature. Examination of philosophical themes within great literary works and/or literary aspects of important philosophical works. P. Philosophical Ideas course.

**PHL 415. Thoreau and Environmentalism. 3 credits. (Same as AMS 415)**

This course is a philosophical exploration of the relations among fiction, poetry and truth, in the context of reading one of the greatest classics of American literature, Henry David Thoreau's *Walden*. P. One Magis Core Philosophical Ideas course or Soph. stdg.

**PHL 420. Science and Religion. 3 credits.**

This course explores the relationship between science and religion from three perspectives: philosophy of science, scientific theories, and theology. Issues to be studied include: reductionism vs. emergentism, the relationship between God and world (including creation and evolution), the Galileo affair, and Darwin and design. P. Philosophical Ideas.

**PHL 422. Aesthetics. 3 credits.**

Examination of fundamental questions concerning art: The origins of art; the aims and purposes of art; the evaluation of art; the notion of beauty; truth in art; censorship, pornography, and art; the value of art. P. Philosophical Ideas course.

**PHL 424. Philosophy of Mind. 3 credits.**

Advanced study of philosophical writings on the relation between mental states and concomitant brain states. Examination of this problem in terms of its history and cultural significance, the metaphysical and methodological assumptions of proposed solutions, and attempts to adjudicate meta-theoretic conflict among said proposals. P. Philosophical Ideas course.

**PHL 425. Sciences, Ethics & Society. 3 credits.**

This course examines how values enter into science at various stages of practice, from the selection of problems to investigate and the ways in which evidence is evaluated to the ways in which science influences public policy and the ways in which science affects technology and our daily practices. Satisfies Magis Designation: Ethics. P. Critical Issues in Human Inquiry course; Ethics; Senior standing.

**PHL 426. The Carceral State: Police Violence, Adjudication, and Mass Incarceration. 3 credits.**

This course, on the carceral state, invites students to understand the three important answers to the question: what justifies punishment? It then invites them to explore this question in three sites: policing, judiciary, and within carceral structures such as jails and detention centers. Claims about systemic racial bias in all three sites will be investigated. A service learning component will take students to one of five community partners, and then be worked up at the end of the course as a final advocacy project. Satisfies Magis Core Intersections and Designated Ethics. P. Philosophical Ideas.

**PHL 427. Food, Sex, and the Good Life. 3 credits.**

In this course we will reflect philosophically and ethically upon two basic desires that human beings have in common with other animals: the desire for food and sexual desire. We will explore the distinctive ways that these desires are understood and pursued within our human form of life as rational, linguistic, meaning-seeking animals. We will especially consider how these desires are shaped by strong evaluative meanings such that they can be seen as part of a normatively higher, nobler, more meaningful way of life; in short, as part of 'the good life'. Satisfies Magis Core Intersections. P. Philosophical Ideas.

**PHL 431. Topics in Moral Philosophy. 3 credits.**

This course answers one of the most important questions raised by both western and non-western philosophers: What is the good life, or, what is the best kind of a human being can lead? P. Philosophical Ideas.

**PHL 433. Philosophy & Ethics of AI. 3 credits.**

This course will consider some major themes in the philosophy and ethics of AI, both as they arose in its development, and in AI's current resurgence in the form of recent generative AI and advances in robotics and related technologies. How should we understand AI's place in the world, and in our lives? Do we have ethical obligations to AI, or new ethical obligations to one another in light of AI? What are the major theoretical questions concerning AI and philosophical themes such as consciousness, experience and embodiment, language, and knowledge? What practical questions does AI raise about issues such as work and automation, love and sex, self-driving cars, race and gender discrimination, or our ability to make autonomous decisions and understand algorithmic decisions affecting our lives? This course will focus on such central problems in the philosophy and ethics of AI, starting with a grounding in some classic texts and then turning to contemporary work on the topic. Satisfies Magis Designated Ethics and Designated Technology. P. Magis Ethics and Philosophical Ideas.

**PHL 434. Philosophy of East Asian Literature and Film. 3 credits.**

This course is a philosophical investigation into the moral values expressed in East Asian literature and film. Study of a wide range of master works will ground an examination of how Buddhism, Confucianism, and Daoism function in the lives of the peoples of eastern Asia. P. Philosophical Ideas.

**PHL 436. Money and the Good Life. 3 credits.**

This course explores the present default assumption that achieving a certain level of success in the going economy, together with standard psychological concomitants of that level of success, are sufficient for human happiness. P. Critical Issues in Human Inquiry; Senior Standing.

**PHL 437. Literature, Philosophy and Economics: In Search of Economic Justice. 3 credits. (Same as ENG 437)**

This course investigates the extent to which the application of principles of justice, fairness and reciprocity can be correlated with economic well-being, eudaemonia and sustainability, for agents involved in economic activity. While pointing to the harmful effects of competition, growth and profit as measurements of economic success wealth disparities, and the unbridled pursuit of self-interest, the course invites students to consider the economic value of cooperative division of labor, balanced co-existence with the environment and with other humans, fair exchange and just wealth distributions, and the taking into consideration of the well-being of others in economic decision-making. Ultimately, students in the course will be encouraged to consider whether and how justice in economic practices may be effectively constitutive of economic value and the only warrantor of the viability and sustainability of a good life. Satisfies Magis Core: Intersections, Designated Ethics, and Designated Written Communications. P. Critical Issues in Human Inquiry, Ethics, Contemporary Composition courses; Senior standing.



**PHL 454. Environmental Philosophy. 3 credits. (Same as EVS 454)**

Examination of a variety of theoretical approaches to philosophical issues concerning individual organisms, species, ecosystems, and the biosphere. Aesthetic, axiological, epistemological, and ontological issues may be addressed. P. Philosophical Ideas course.

**PHL 455. Health Care, Society, And Values. 3 credits.**

Philosophical examination of moral issues in medicine with emphasis on the social dimensions of health care and its delivery. Consideration of questions of justice, rights to health care, the social nature of health and disease, etc. P. One Philosophical Ideas course.

**PHL 456. Public Health Ethics. 3 credits. (Same as HAP 456)**

Lectures and small group discussions focus on ethical theory and current ethical issues in public health and health policy, including resource allocation, the use of summary measures of health, the right to health care, and conflicts between autonomy and health promotion efforts. Student evaluation based on class participation, a group project, and a paper evaluating ethical issues in the student's area of public health specialization. P. Philosophical Ideas course.

**PHL 457. Biomedical Ethics: Philosophical and Theological Approaches. 3 credits. FA, SP, SU (Same as HAP 457, THL 457)**

This course explores philosophical and theological ethical theories and analyzes and evaluates select issues in biomedicine and health care policy in light of those theories. Satisfies Magis Designated Ethics. P. Ethics course.

**PHL 459. Marxism. 3 credits. (Same as GER 459, PLS 459)**

In-depth study of the philosophical and political writing of Karl Marx, the historical evolution of Marxism, and its impact on contemporary thought. P. Philosophical Ideas course.

**PHL 460. Humanity and the Concept of the Future. 3 credits.**

This course examines the philosophical concept of time in relation to how one understands oneself as a member of a community that reaches back into the distant past and forward into the distant future, and the intergenerational ethical relations and obligations which emerge from the temporal and historical self-understanding. P. Philosophical Ideas course.

**PHL 463. Phenomenology. 3 credits.**

Examination of the central themes of phenomenology as a method and a movement, including the ideal of a presuppositionless philosophy, the thesis of the natural standpoint and phenomenological reduction, the method of imaginative or eidetic variation, the intuition of essences, and the concepts of intentionality, constitution, and the life-world. Emphasis on the major figures of phenomenology, including Husserl, Heidegger, Sartre, and Merleau-Ponty. P. Philosophical Ideas course.

**PHL 464. Selected Topics in Ancient Philosophy. 3 credits. OD (Same as CNE 464)**

Topic approach to selected problems or themes in ancient philosophy, or focus on an individual philosopher or school of philosophy. Course will be subtitled in the Schedule of Courses. P. Philosophical Ideas course.

**PHL 465. American Pragmatism. 3 credits. (Same as AMS 465)**

Examination and critical evaluation of the major works and themes of the American pragmatists: C. S. Peirce, William James, and John Dewey. Includes an examination of their relation to other philosophers. P. Philosophical Ideas course.

**PHL 467. Existentialism. 3 credits.**

Examination of major existentialist philosophies and themes including the works of Kierkegaard and Nietzsche; the development of twentieth-century existentialism; examination of the works of authors such as Heidegger, Jaspers, Marcel, Sartre, Buber, Camus, Unamuno. P. Philosophical Ideas course.

**PHL 469. Contemporary Analytic Philosophy. 3 credits.**

Survey of the 20th century analytic movement including the thought of Russell, Moore, and Wittgenstein; logical positivism and logical atomism; recent Anglo-American philosophical analysis. P. Philosophical Ideas course.

**PHL 475. Multiculturalism: History, Philosophy, Literature, and Education. 3 credits.**

An intensive examination of the theory (and practice) of multiculturalism, this course will consider historical, philosophical, literary, and educational perspectives on the encounter between different cultures, and their relevance for the contemporary world. P. Philosophical Ideas course.

**PHL 479. The Philosophy of Love and Sex. 3 credits.**

A philosophical investigation of the nature of love, the different kinds of love, the relationship between love and beauty, and between love and sex. P. Philosophical Ideas course.

**PHL 480. Philosophical Classics. 3 credits.**

An intensive examination and comparison of two major texts in the history of philosophy—for example, Aristotle's *Nicomachean Ethics* and Spinoza's *Ethics*; or Plato's *Republic* and Rousseau's political writings. May be repeated to a limit of six hours. P. Philosophical Ideas course.

**PHL 481. A Major Philosopher. 3 credits.**

An intensive examination of the work of one major philosopher. Examples might include Aristotle, Hume, Spinoza, or Kant. May be repeated to a limit of six hours. P. Philosophical Ideas course.

**PHL 482. Race In America: Idea And Reality. 3 credits. (Same as AMS 482, BKS 482, HIS 482, PLS 482)**

An examination of the idea and reality of race during key phases of U.S. history, with an emphasis on the contemporary situation. To understand the multiple meanings and experiences of race, the course draws on sources from science, literature, law, and philosophy. P. Philosophical Ideas course.

**PHL 492. Senior Seminar. 3 credits. SP**

Required seminar for all graduating philosophy majors. Examination of a variety of significant topics and texts in contemporary philosophy. Emphasis on discussion, short writing assignments and seminar presentations on authors such as James, Moore, Heidegger, Maritain, Wittgenstein, Quine, Foucault, Nagel, McDowell, and Korsgaard. P. Oral Communication course; Contemporary Composition course; Sr. stdg; PHL major.

**PHL 493. Directed Independent Research. 0-4 credits.**

Subject matter and method to be worked out individually. May be repeated to a limit of six credit hours. P. Philosophical Ideas course.

**PHL 495. Directed Independent Study. 1-4 credits.**

Projects on philosophical issues or problems that are not primarily carried out through directed readings. May be repeated to a limit of six credit hours. P. Philosophical Ideas course; IC.

**PHL 497. Directed Independent Research. 0-4 credits.**

Research into a philosophical topic chosen by the student and pursued under the supervision of a member of the philosophy faculty. P. IC.

**PHL 593. Advanced Readings In Philosophy. 1-4 credits.**

Independent readings course worked out individually for the student. May be repeated to a limit of six hours. P. PHL major and IC.

**PHL 597. Advanced Independent Research. 1-4 credits.**

Either an individual research project designed by a student and mentored by a faculty member or a collaborative research project mentored by a faculty member in which the student plays a special leadership role. P. PHL 497.

**PHY 105. Frontiers in Astronomy. 2 credits. FA, SP**

Covers select topics in astronomy at the frontiers of research including the big bang and evolution of the universe, dark matter, dark energy, black holes, quasars, and the search for exoplanets and life in the universe. The scientific method and experimental tools used by astronomers are explored.

**PHY 109. Introductory Astronomy. 3 credits. FA, SP**

This course provides a broad survey of scientific understanding of the physical processes, structure, and evolution of objects in the universe in a lecture format. Topics include the nature and motions of celestial objects, the solar system, stars, galaxies, stellar remnants, large-scale structure in the universe and cosmology. P. One Magis Mathematical Reasoning; One Magis Core Understanding Natural Science course. CO: PHY 110 or IC.

**PHY 110. Astronomy Laboratory. 1 credit. FA, SP**

An introductory lab course that provides a deeper inquiry into fundamental concepts in astronomy through hands-on activities. Topics covered include the nature and motions of celestial objects, fundamental physical laws, the solar system, stars, galaxies, stellar remnants, and cosmology. P. One Magis Core Mathematical Reasoning; One Magis Core Understanding Natural Science course. CO: PHY 109 or IC.

**PHY 123. Science for a Changing Planet: An Introduction to Earth Systems. 3 credits. (Same as EVS 123)**

Introduction to the study of the earth system science for science and non-science majors. Topics include: the earth as a system, the geosphere, the hydrosphere, the atmosphere, the biosphere and the anthroposphere. This course explores the interactions between the earth systems, including how anthropologic processes modify the Earth's environment. P. Understanding Natural Science. CO: PHY 124.

**PHY 124. Earth System Science Laboratory. 1 credit. (Same as EVS 124)**

Laboratory work to acquaint the student with data collection and analysis, and earth system topics such as the earth as a system, the geosphere, the hydrosphere, the atmosphere, the biosphere and the anthroposphere. Appropriate for science and non-science majors. P. Understanding Natural Science. CO: PHY 123.

**PHY 127. Sound and Music. 2 credits. OD**

Basic course on the nature of sound, covering the generation, propagation and detection of sound, with particular applications to music.

**PHY 131. Quantum Physics and Technology for Everyone. 2 credits. (Understanding Natural Science)**

Basic concepts in quantum physics and information science for non-science majors, including quantum states, measurements, quantum bits, entanglement, and coherence. Applications in quantum computing, quantum communication, and quantum sensing.

**PHY 152. Living in a Material World. 2 credits.**

This course examines the common materials that shape our lives, using both fundamental physical principles and hand-on exploration to understand why certain materials possess the properties we desire. The course also considers the sustainability of materials, their impact on the environment and ethical considerations for their production and continued use. Satisfies Magis Core: Understanding Natural Science. P. Mathematical Reasoning.

**PHY 157. Sustainable Energy. 2 credits. OD**

Uses fundamental physical principles and hands-on exploration to develop an understanding of the energy sources available for our use. Covers current trends in energy production and consumption and an evaluation of the potential for a sustainable energy supply. Societal, technical and ethical considerations related to energy usage are emphasized.

**PHY 187. Conceptual Physics. 2 credits. OD**

Basic physics concepts and principles in areas of motion, force and energy, liquids and gases, thermodynamics, electricity and magnetism, light, sound, and x-ray and nuclear radiations, with examples from daily life as illustrations. Includes practice in conceptual, mathematical, graphical and statistical solution techniques of simple physics problems.

**PHY 191. Exploring the Frontiers of Physics. 1 credit. OD**

Survey of the current research frontier in the physical sciences. Each week, faculty will introduce and lead a discussion on a contemporary research field, focusing on the scientific and social significance. No formal math or science pre-requisites, intended for students interested in pursuing careers in the physical sciences. Repeatable to a maximum of 4 credits.

**PHY 195. Selected Topics in Physics. 1-6 credits. OD**

A physics project or special study in physics outside the normal curricular boundaries.

**PHY 201. General Physics for the Life Sciences. 3 credits. FA, SP, SU**

First semester of the general physics sequence for life sciences majors. Topics include kinematics, Newton's laws of motion, conservation of momentum and energy, rotational dynamics, thermodynamics, and fluids. CO: PHY 205.

**PHY 202. General Physics for the Life Sciences II. 3 credits. FA, SP, SU**

Second semester of the general physics sequence for life science majors. Topics include waves, electricity, magnetism, optics and modern physics. P. PHY 201 or PHY 213 or PHY 221 or DC; CO: PHY 206 or DC.

**PHY 205. General Physics Laboratory I. 1 credit. FA, SP, SU**

Laboratory work designed to acquaint the student with the measurement and uncertainty, error analysis, and physics topics such as thermodynamics and fluids. CO: PHY 201 or PHY 213 or PHY 221.

**PHY 206. General Physics Laboratory II. 1 credit. FA, SP, SU**

This lab is designed to accompany PHY 202, PHY 214 or PHY 222. In addition to laboratory activities, one contact hour of weekly lecture is included. Topics include oscillations, waves, optics, and d.c. circuits. This course is algebra-based. P. PHY 205; CO: PHY 202 or PHY 214 or PHY 222 or DC.

**PHY 213. General Physics for the Physical Sciences I. 3 credits. FA**

First semester of the general physics sequence for physical science majors. Topics include kinematics, Newton's laws of motion, conservation of momentum and energy, rotational dynamics, thermodynamics, and fluids. CO: MTH 245 and; PHY 223, or DC.

**PHY 214. General Physics for the Physical Sciences II. 3 credits. SP**

Second semester of the general physics sequence which is intended for students majoring in the physical sciences. Lecture and discussion. Topics include oscillations, waves, optics, electricity and magnetism, and modern physics. Calculus based. P. PHY 213 or PHY 221 or PHY 201, or MTH 245; CO: PHY 206 or DC.

**PHY 221. Advanced General Physics I: Modeling the Physical World. 3 credits. FA**

First semester in the physics sequence with a particular emphasis on mathematical modeling. Course is taught jointly with MTH 249. Topics include kinematics, Newton's laws of motion, conservation of momentum and energy, rotational dynamics, and fluids. P. MTH 245; CO: MTH 249.

**PHY 222. Advanced General Physics II: Modeling the Physical World. 3 credits. SP**

Second semester in the physics sequence with a particular emphasis on mathematical modeling. Course is taught jointly with MTH 349. Topics include oscillations, waves, optics, electricity and magnetism, and modern physics. P. PHY 221 or IC; CO: MTH 349.

**PHY 223. Project Physics Laboratory I. 1 credit. FA**

Project-based laboratory experiences to acquaint the student with physical phenomena, instrumentation and research methods in physics. Topics include kinematics, Newton's laws of motion, conservation of momentum and energy, rotational dynamics, thermodynamics, and fluids. CO: PHY 213.

**PHY 224. Project Physics Laboratory II. 1 credit. SP**

Project-based laboratory experiences to acquaint the student with physical phenomena, instrumentation and research methods in physics. Topics include oscillations, waves, optics, electricity and magnetism, DC and AC circuits, and modern physics. Satisfies Magis Core Doing Natural Science. P. Understanding Natural Science, PHY 205 or PHY 223; CO: PHY 202, or PHY 214, or PHY 222.

**PHY 250. Three Dimensional Design. 2 credits.**

A hands-on introduction to basic engineering principles, including forces, statics, mechanisms, mechanical systems. Basic design skills will also be explored, including the design process, 2- and 3-dimensional visualization and sketching, dimensioning and tolerances, CAD software, rapid prototyping equipment, and analysis of the environmental impact of designed products. Satisfies Magis Core: Understanding Natural Science.

**PHY 301. Modern Physics. 3 credits. FA**

An introduction to relativity and quantum physics. Special theory of relativity; quantization of electrical charge, energy and light; Bohr model of the atom; wave aspect of particles; wave-particle duality; Schrodinger equation in one dimension; applications of relativity and quantum theory in atomic, nuclear, and elementary particle physics. P. PHY 214 or PHY 222 or 202; and MTH 246.

**PHY 302. Modern Physics Laboratory. 1 credit. FA**

Laboratory work designed to acquaint the student with the quantization of electrical charge, energy and light, and the wave aspect of particles. CO: PHY 301. P. One Magis Core Mathematical Reasoning course.

**PHY 303. Electronics Laboratory. 1 credit. ONLY, SP**

Basic course in electronics. Laboratory experiments include an introduction to measuring instruments, and applications of solid state components, and analog and digital integrated circuits. P. PHY 214 or PHY 222 or PHY 202.

**PHY 351. Physics in Medicine. 3 credits. ONLY, SP**

A review of basic physics as it applies to radiation and the human body followed by an overview of major topics in the field of medical physics: x-rays and their uses in medical imaging, physics of nuclear medicine imaging, ultrasound imaging, magnetic resonance imaging, radiation therapy for cancer, and radiation biology. P. PHY 214 or PHY 222 or PHY 202.

**PHY 353. Introduction to Biological Physics. 3 credits. ENY, SP**

An introduction to the application of physics to the microscopic world of the living cell. Topics include: Diffusion, fluid dynamics at low Reynolds-number, thermodynamics of microscopic systems, chemical and entropic forces, self-assembly of ordered structures, mechanical and nerve impulses. P. PHY 214 or PHY 222 or PHY 202; and MTH 246.

**PHY 397. Research Methods. 2 credits. FA**

This course covers the foundational skills needed by students to conduct research in theoretical and experimental physics. Course topics include an introduction to scientific computing, measurement, data analysis, and error propagation, basic electronics skills, scientific writing, and an introduction to mathematical software packages. P. PHY 205; PHY 206; Mathematical Reasoning course.

**PHY 471. Classical Mechanics. 3 credits. SP**

Review of particle dynamics, the harmonic oscillator, rigid body mechanics, generalized coordinates; introduction to Lagrange's and Hamilton's equations. P. PHY 214 or PHY 222 or PHY 202; CO: MTH 347 or MTH 349 or MTH 350 or Instructor Consent.

**PHY 481. Electricity and Magnetism. 3 credits. ONLY, SP**

Development of Maxwell's equations; Laplace's and Poisson's equations and boundary value problems; electromagnetic waves. P. PHY 214 or PHY 222 or PHY 202; and MTH 347.

**PHY 491. Physics Seminar. 1 credit. FA, SP (Magis Designations: Ethics, Oral Communication)**

Undergraduate physics seminar. Training in the organization and presentation of papers on advanced topics in physics. May be repeated to a maximum of three credits. Satisfies Magis Designations: Ethics, Oral Communication. P. Ethics, Oral Communication.

**PHY 493. Directed Independent Readings. 1-3 credits. FA, SP, SU**

A readings project under the guidance of a member of the faculty. Credit by arrangement. May be repeated to a maximum of six hours. P. IC.

**PHY 495. Directed Independent Study. 1-3 credits. FA, SP, SU**

A study project under the guidance of a member of the faculty. Credit by arrangement. May be repeated to a maximum of six hours. P. IC.

**PHY 497. Directed Independent Research. 0-3 credits. FA, SP, SU**

A research project under the guidance of a member of the faculty. Credit by arrangement. May be repeated to a maximum of six hours. P. IC.

**PHY 499. Research Capstone. 1 credit. SP**

This course serves as a capstone experience for undergraduate research. Students will organize and present, in written form, a comprehensive summary of their research project. Topics include literature search techniques and review, the use of bibliography and citation managers, scientific writing, peer review, and how to make scientific presentations. P. PHY 397; Contemporary Composition course. Co: PHY 497.

**PHY 511. Physical Optics. 3 credits. ENY, SP**

Mathematical representation of waves; interference, diffraction and polarization; coherence and incoherence; lasers; Fourier analysis and synthesis. P. PHY 214 or PHY 222 or PHY 202.

**PHY 512. Optics Laboratory. 1 credit. ENY, SP**

Experiments in geometrical and physical optics: interferometry; lasers and holography; analytical methods based on optical principles. 3L. CO: PHY 511.

**PHY 531. Quantum Mechanics. 3 credits. FA**

Development of the formalism of non-relativistic quantum mechanics; applications to the harmonic oscillator, the hydrogen atom, square-well potential, and scattering. P. PHY 301 and PHY 471.

**PHY 541. Thermodynamics And Statistical Mechanics. 3 credits. FA**  
Laws of thermodynamics, thermodynamic variables, thermodynamic potentials; kinetic theory, distribution functions, classical and quantum statistics. P. PHY 214 or CHM 331 or PHY 222 or PHY 202; and MTH 246.

**PHY 551. Mathematical Physics. 3 credits. OD**  
Mathematical methods for the representation of physical processes in space and time. Fourier and other complete representations; vector calculus; tensors and matrices. Selection and emphasis on topics keyed to needs of students enrolled. P. PHY 202 or PHY 222; MTH 347.

**PHY 553. Computational Physics. 3 credits. ONY, SP**  
The course offers an introduction to scientific computing techniques for physics students. The course will offer training in computational software and programming language to model complex systems and/or to analyze data. Examples are drawn from a variety of subfields of physics. P. PHY 214 or PHY 222 or DC.

**PHY 559. Gravitation and Cosmology. 3 credits. OD**  
An introduction to standard big bang cosmology utilizing Einstein's general theory of relativity. Topics in relativity will include tensor analysis, Riemannian geometry, and the Einstein equation. Topics in cosmology will include the Friedman-Robertson-Walker metric, the age of the universe, dark matter and dark energy, and early universe thermodynamics. P. PHY 301.

**PHY 561. Nuclear Physics. 3 credits. ENY, SP**  
Application of elementary quantum mechanical theory and relativity to the study of nuclear structure, radioactive decay, and nuclear models. P. PHY 531.

**PHY 562. Nuclear Instruments And Methods. 2 credits. OD**  
Laboratory work in nuclear physics designed to teach the methods and procedures of experimental nuclear physics at an advanced level and to familiarize the student with modern research equipment and its use. 3L. P. PHY 302 or IC.

**PHY 565. Radiation Biophysics. 3 credits. FA, ONY**  
A systematic study of the mechanisms by which ionizing radiation affect cells and biomolecules, pertaining to radiation therapy. Topics include: Physical mechanisms for radiation absorption, Kerma, dose, LET, track structure, water radiochemistry, mathematical survival models, DNA damage, repair mechanisms, RBE, OER, linear no-threshold model, bystander effects, and dose fractionation. P. IC.

**PHY 566. Physics of Medical Imaging I. 3 credits. ENY, SP**  
A systemic study of medical imaging including projection x-ray, mammography, fluoroscopy, and computed tomography. For each imaging modality, the mathematical foundation, physical mechanisms, technology involved in clinical implementation, technique strengths and limitations, quantification of image quality, and routine quality assurance procedures will be examined. P. IC.

**PHY 567. Physics of Medical Imaging II. 3 credits. ENY, FA**  
A systemic study of medical imaging including projection x-ray, mammography, fluoroscopy, and computed tomography. For each imaging modality, the mathematical foundation, physical mechanisms, technology involved in clinical implementation, technique strengths and limitations, quantification of image quality, and routine quality assurance procedures will be examined. P. PHY 566.

**PHY 571. Condensed Matter Physics. 3 credits. OD**  
An introduction to the structure and dynamics of solids and liquids including solid state physics. Topics include the structure of crystalline, amorphous and self-similar (fractal) matter as conveyed by scattering techniques, the vibrational properties of crystals, the dynamics of liquids, electron dynamics in crystals (including band theory), response functions, percolation theory, and phase transitions (with an emphasis on critical phenomena, scaling and renormalization). P. PHY 301 or CHM 341 or IC.

**PHY 572. Condensed Matter Laboratory. 1 credit. OD**  
Laboratory work designed to acquaint the student with spectroscopy techniques used in condensed matter and material science, including: static and dynamic light scattering, Raman spectroscopy, X-ray diffraction, scanning tunneling microscopy, and dielectric spectroscopy. 3L. CO: PHY 571 or IC.

**PHY 587. Laser Physics. 3 credits. OD**  
A thorough review of the essential optical and physical principles needed for understanding laser characteristics, operation and design. Topics include the principle of detailed balance, absorption, stimulated emission, gain, obtaining population inversions, pumping requirements, laser cavity modes, Gaussian beams, laser resonators, Q-switching, mode-locking, and an overview of specific laser systems including gas-tube and solid-state lasers. P. IC.

**PHY 591. Seminar in Engineering. 1-3 credits. OD (Same as ERG 591)**  
This course will prepare students particularly interested in careers in energy technology, engineering, or related disciplines, to gain internship and employment opportunities. Students will be exposed to diverse disciplines and fields in these areas via guest speakers and personal research which all will continue the development of written and oral communication skills as well as further the development of the students' ethical awareness in their careers. P. Contemporary Composition; Oral Communication; Ethics.

**PHY 595. Special Topics. 1-3 credits. OD**  
A course treating physics topics of special interest. The course will be subtitled in the Schedule of Classes and may be repeated under different subtitles. P. IC.

**PLS 101. Introduction to Politics. 3 credits. FA, SP**  
Introduction to the ways that human beings make collective decisions, both in governments and in other settings. Course surveys some of the perennial problems of political life, and introduces students to the ways that political scientists approach them.

**PLS 105. Introduction to World Politics. 3 credits. FA, SP**  
Surveys the international political system, problems of conflict and cooperation, political geography, major forms of government, and cultural and economic sources of politics and policy. Case studies based on contemporary events using relevant political concepts.

**PLS 115. Introduction to Comparative Political Systems. 3 credits.**  
This course is only available to students in the Jesuit Virtual Learning Academy dual credit arrangement with Creighton University.

**PLS 121. American Government And Politics. 3 credits. FA, SP, SU (Same as AMS 121)**  
A course that provides a critical overview of American political institutions, processes, and policies. It shows how these institutions and processes are shaped by the Constitution, historical events and elections as well as by politicians, the media, interest groups, and public opinion.



**PLS 170. Hope and Outrage: Exploring Harsh Political Realities. 3 credits.**

Living in political community can be as challenging as it can be fulfilling. In this course students will explore, understand, and explain the harsh political realities of living in community, especially as they connect with concerns of human dignity, diversity, and social justice. Students will evaluate the ways that political action can be a potential site of hope as agents of change seek to address harsh political realities. Students will demonstrate an ability to be civically engaged, critical thinkers able to locate sites of hope and service in the face of outrage-inducing political realities. Specific topics covered will change to reflect contemporary political issues and controversies. CO: COM 101.

**PLS 215. Political Science Research Methods 1. 3 credits. FA, SP**

Introduction to the concepts, techniques, and theories used by political scientists in understanding political systems at home and abroad. The course introduces students to the process of political and social inquiry. Selected case studies of Western and non-Western states. P. Contemporary Composition or HRS 101; So. stdg.

**PLS 231. Introduction to Public Policy. 3 credits.**

This course provides a foundational understanding for the study of public policy and administration. The course examines the public policy process in governmental systems, including the formation, implementation, and evaluation of policy as well as policy contexts and political factors. P. Sophomore standing.

**PLS 301. European Political Systems. 3 credits. AY, FA**

Introduction to party and parliamentary systems, political behavior, and policy-making processes in major West European nations. Special emphasis on the United Kingdom, France, Germany, and Italy. Contemporary policy issues such as European integration, financing of social services, economic growth and environmental regulation are considered. P. So. stdg.

**PLS 302. British Government and Politics. 3 credits.**

Study of the contemporary British political system including such matters as parliament, the evolving constitution, the role of the prime minister, the party system, etc. P. So. stdg.

**PLS 303. Politics of Russia. 3 credits. OD**

Course explores the reasons for the collapse of the Soviet Union and the problems of effective democratic governance and a free market economy in the Russian Federation. Some comparisons are made with other former Soviet Republics. P. Understanding Social Science; Sophomore standing.

**PLS 305. Eastern European Political Systems. 3 credits. OD**

Course surveys the post-communist political systems of East Europe, including Albania, Bulgaria, the Czech Republic, Hungary, Poland, Romania, the Slovak Republic, and the former Yugoslavia. Topics include the collapse of communist regimes, economic and political reform, democratization, ethnic conflict, and East-West relations. P. So. stdg.

**PLS 310. Political Science Research Methods 2. 0-4 credits. SP**

Introduction to quantitative methods used to test political hypotheses. Topics include research design, data collection, univariate, bivariate, multivariate statistics, and computer-assisted data analysis. Required of all majors. Satisfies Magis Designation: Statistical Reasoning; Magis Designation: Technology. P. One Magis Core Mathematical Reasoning course.

**PLS 311. Politics of Africa. 3 credits. AY, FA (Same as AFS 311, BKS 311)**

Introduction to politics of sub-Saharan Africa. Covers traditional African cultures, societies and politics; independence movements; and post-colonial politics. Discusses political parties, military interventionism, ethnic conflict, development policy and democratic reform. P. Sophomore standing; Understanding Social Science.

**PLS 312. Canadian Government and Politics. 3 credits.**

This course examines how the Canadian political system differs from our own, and why it evolved so differently. By comparing and contrasting the Canadian and American systems, students will better appreciate the advantages and disadvantages apparent in each country's approach to democracy. The course also provides a "hands-on" experience of the application of social science methodologies to the study of Canadian politics.

**PLS 313. Politics of the Middle East. 3 credits. AY, SP**

Comparative analysis of political systems in the Middle East. Focused on the process of political development and the transformation from traditional to modern political entities. Analysis of such issues as the Arab-Israeli conflict, rise of Islamic fundamentalism, U.S. involvement in the area, and geopolitical issues. P. So. stdg.

**PLS 314. The Politics of Japan. 3 credits.**

This course is to explore modern politics (both structure and major issues) of Japan in the post war era. The course will begin with a brief overview of the factors that lead to the post World War II Japanese Constitution and political structures. The country will be studied in the context of the globalization and the changes of the political dynamics in the Northeast Asia. Being the amalgamation of Western and East concepts in philosophy, economics, and politics, the question will be asked if the experiment that is post war Japan succeeded in forming the ideal modern state or if not, where we are to go next to obtain this goal. P. Understanding Social Science; Sophomore standing.

**PLS 315. Politics of Asia. 3 credits. AY, FA**

Introduction to the politics of selected Asian countries from a comparative perspective. Topics include political change and development; ethnic and other conflicts: domestic and regional problems; economic development; authority; and democratization. P. So. stdg.

**PLS 316. Government and Politics of People's Republic of China. 3 credits. AY, SP**

The nature of China's political culture, the distribution of power, key institutions and decision-making, political participation, and how people are mobilized for collective purposes. China's contemporary experiments in modernization. P. So. Stdg.

**PLS 317. Latin American Government And Politics. 3 credits. AY, SP**

Overview of the political systems of Latin America. Emphasis on impact of social institutions on political process and culture. Review of colonial legacies, governmental systems, political parties and interest groups, and issues of socio-economic development and democratization. Satisfies Magis Core Doing Social Science. P. One Magis Core Understanding Social Science course; So stdg.

**PLS 318. InterAmerican Politics. 3 credits.**

The primary goal of this course is to give students an understanding of the complex relationships forged between the U.S. and its southern neighbors. To accomplish this, we will study U.S. policy towards several Latin American states as well as their policies towards the U.S. in comparative perspective. P. So. Stdg.

**PLS 319. Politics Of The Developing Areas. 3 credits. OD**

Introduction to political and social issues underlying and forming developing areas politics. Theories of political development, the military, patron-client systems of politics, ethnic conflict, democracy and institutional development, statism and economic underdevelopment. P. So. stdg.

**PLS 320. Law, Courts, and Politics. 3 credits. SP**

Organization, functioning and political role of the courts and the legal process in the United States. Detailed attention given to theories of adjudication, staffing, judicial decision-making, and judicial review. P. So. stdg.

**PLS 321. American Tribal Indian Government and Politics. 3 credits. (Same as NAS 321)**

This course will provide students with an overview of the development of modern tribal governments, their powers, and the problems they face. Students will examine contemporary tribal governments and the issues currently facing tribes including economic development and intergovernmental relations. P. So. stdg.

**PLS 322. American Presidency. 3 credits. AY, SP**

Examines the evolution of the presidency and its role in contemporary America and in international politics. How the office is shaped by the constitution, historical precedent, public opinion, and presidential character. P. So. stdg.; One Magis Core Understanding Social Science course.

**PLS 323. Campaigns and Elections. 3 credits. AY, FA**

Examines the practical side of running for political office. Topics include campaign strategy, campaign organization, door-to-door campaigning, fund-raising, voter registration drives, polling, and volunteer recruitment. Students are required to work at least 50 hours on a political campaign. P. So. stdg.

**PLS 324. Congress And The Legislative Process. 3 credits. AY, FA**

Examines the evolution of Congress and the legislative process and its role in contemporary America and in international politics. Explains how the constitution, historical precedent, public opinion, and leadership characteristics shape the office. P. Understanding Social Science.

**PLS 325. State and Local Government. 3 credits. OD (Same as AMS325)**

Overview and analysis of state and local government institutions, political behavior and policies. Examines the theory of federalism and its current status. Emphasis on comparative social science analysis. P. So. stdg; Understanding Social Science.

**PLS 326. Urban Politics. 3 credits.**

This course examines politics and policy questions involving the governance of urban areas. The course covers historical shifts in urban politics and contemporary debates of development, culture, power, and functions of cities and the effects for community engagement, local governments, and political institutions. P. So. stdg.

**PLS 327. Minority Politics in America. 3 credits. OD (Same as AMS 327)**

Explores the political experience of American racial and ethnic minorities with particular attention to the experience of black Americans. Reviews roots and patterns of unequal treatment of minorities, tactics and strategies used to attack these patterns, contemporary situations, and the tension between integrationist and self-determination strategies. P. So. stdg.

**PLS 328. Mass Media In American Politics. 3 credits. AY (Same as AMS 328)**

Analyzes the role of the media in contemporary American politics, focusing on its impact on public opinion, elections and day-to-day government. P. So. stdg.

**PLS 329. Gender and Politics. 3 credits. AY, SP**

Examines issues of gender and politics from political theory, political behavior, and public policy perspectives. Students critique democratic theory, analyze gender differences in voting and in officials' behavior, and develop proposals to address policy problems. P. So. stdg.

**PLS 330. Cuba and the U.S.: Revolution and Restitution. 3 credits.**

This course will introduce students to the developments that define Cuba-US relations, placing a strong emphasis on the historical and literary importance of the early independence movements of the 19th century, the growing Cuba-US relations during the early 20th century, the consequences of the Socialist revolution, and the deterioration of the relationship between the two countries that culminated with the US embargo.

**PLS 331. Public and Non-Profit Administration. 3 credits. FA (Same as HAP 331)**

Examines administrative processes and politics in government and non-profit settings. The course emphasizes application of material to case study examples of public and non-profit organizational challenges. Course covers local, state, and national bureaucratic politics. P. One Magis Core Contemporary Composition course and So. stdg.

**PLS 332. Interest Groups and Political Parties. 3 credits. OD**

The American political system relies on groups, including political parties and interest groups, to serve as a vital link between individuals and the government. This course explores this link by examining the role of interest groups and political parties in the policy process, the theories that help us understand them, and their political activities. Importantly, we integrate numerous examples, including health policy, the civil rights movement, unions, American Indian nations and others as we explore group dynamics in the American political process.

**PLS 333. Environmental Politics And Policy. 3 credits. FA (Same as EVS 333)**

An overview of the world's environmental problems from a political perspective. Focuses on the political dynamics that shape environmental policy making. P. So. stdg.

**PLS 334. Public Policy and Healthcare. 3 credits. SP (Same as HAP 334)**

Review of government policies and programs as they affect health care in the United States and other countries. Various systems of health insurance, the private medical market, governmental provision, development and evolution of managed care systems, current U.S. federal programs. P. So. stdg.

**PLS 335. Federal Indian Policy and Law. 3 credits. OD (Same as AMS 335, NAS 335, SWK 335)**

Investigates the relationships between Native Americans and the Euro-American in terms of how the Natives were perceived and the impact this has had on Colonial and Federal policies relating to Native populations. Emphasis is on the historical, political and cultural aspects of the relationship. P. So. stdg.

**PLS 336. Policy Evaluation. 3 credits.**

This course examines the methods and processes of public policy evaluation for government and nonprofit organizations. The course covers the theories and designs, analytical techniques, and political approaches for the effective use of policy and program evaluations in the public sector. P. Sophomore standing.

**PLS 337. Constitutional Law. 3 credits. FA**

Examines the Supreme Court's interpretation of the powers granted by the U.S. Constitution to the institutions of the federal government. Specific topics vary by semester but may include the power of judicial review, constraints on judicial power, the sources and scope of Congressional power, the domestic and foreign affairs powers of the president, and the separation of powers. P. So. stdg.

**PLS 338. Rights, Liberties, and Justice. 3 credits.**

Examines the Supreme Court's interpretation of the protections provided by the U.S. Constitution against governmental intrusion on civil rights and civil liberties. Specific topics vary by semester but may include 1st Amendment issues such as freedom of speech and freedom of religion, 4th, 5th, and 6th Amendment issues such as search and seizure and self-incrimination, and 14th Amendment issues such as the right to privacy and discrimination based on race, gender, and sexual orientation. P. Sophomore Standing.

**PLS 339. Public Policy And Poverty In The United States. 3 credits. AY (Same as AMS 339)**

Government policies and programs affecting the poor in the United States. Issues include various elements of welfare programs and policies, entitlement programs such as Medicare and Social Security, problems of intergovernmental activity in administering social welfare. Examination of various critiques of social welfare policy and a review of reform proposals. Role of organized interests and public support relative to programs affecting the poor. Skill development includes policy formulation and analysis. P. So. stdg.

**PLS 340. International Politics. 3 credits. FA**

Course investigates the assumptions, purposes, and preferred actions of state and non-state actors. It explores patterns of global conflict and cooperation, power, interdependence, geopolitics, political economy, war, terrorism, diplomacy, international law, and peacemaking. P. So. stdg.; One Magis Core Understanding Social Science course.

**PLS 341. Issues And Challenges In American Foreign Policy. 3 credits. AY**

Key problems of contemporary American foreign policy: terrorism, weapons proliferation, weak states, regional and global economic crisis, human rights, trade, relations with the Middle East, security in Europe and Asia. Course reviews major institutions in the U.S. foreign policy process. P. So. stdg.

**PLS 342. Foreign Policy And Diplomacy Of Major Powers. 3 credits. OD**

Course explores and analyzes comparatively the formulation and substance of the foreign policies of selected major powers: the United States, Russia, People's Republic of China and Japan. May be repeated if country of emphasis differs. P. So. stdg.

**PLS 343. Bombs and Rockets: National Security Policy. 3 credits. OD (Magis Core Doing Social Science course)**

This course introduces students to the basic concepts and issues of security in the contemporary world. The primary focus is on policy issues related to the use of force between and within countries. The goal of the course is to provide you with the analytical tools and factual knowledge that you will need to identify and assess current and future threats to national security. This is not a course solely on U.S. national security, but much of the material deals with the specific problems of the United States. Students are encouraged to apply what you learn in this course to the security concerns of other nations in the international system. After briefly reviewing the historical development of war, the course examines deterrence, alliances, collective security, conventional war, and the nuclear revolution. The course then analyzes emerging transnational threats such as terrorism, the challenges of the proliferation of nuclear, chemical and biological weapons, the tensions between economic globalization and the imperatives of homeland security and the technological changes giving rise to new weaponry such as military robotics as well as the prospects of cyber warfare. P. Sophomore standing.

**PLS 345. International Political Economy. 3 credits. AY, FA**

Overview of political problems and issues associated with world economic relationships and development. Political aspects of international trade, monetary and debt relations, aid relationships, technology transfers, and migration. Importance of national and multinational actors and a review of various ideological perspectives. P. So. stdg.

**PLS 347. International Regimes. 3 credits. AY, FA**

Course considers major theories in international relations that begin with the assumption that the world is dominated by webs of formal and informal agreements that facilitate co-operation and limit the sovereignty of nation-states. The course considers the possibilities these relational webs (regimes) hold for the global community. P. So. stdg.

**PLS 352. Puerto Rico and the U.S.: Citizenship, Colonialism, and Cultural Nationalism. 3 credits. (Same as HIS 352)**

An overview of the Puerto Rican history and relationship with the U.S. Course focuses on how Puerto Ricans experience, perform, and assign meaning to citizenship and cultural national identity in a colony with limited participation in the laws that govern them.

**PLS 356. Constitutional Issues. 3 credits. (Same as HIS 356)**

This course links both the Constitutional History of the United States with the Constitutional Law cases that laid the foundation for the living Constitution that exists today. The historical context and the judicial actions of the courts, from the Founding Fathers to the present, will be examined and debated. P. So. stdg.

**PLS 357. Alternative Political Futures. 3 credits. OD**

The objective of this future-oriented course is to enable students to see futures as multiple and open, to develop ideas about possible social and political alternatives, preferred forms of governance, envision and facilitate preferred futures so that their lives, and the lives of future generations might truly be more peaceful, just, fair, and livable than the present or any past. P. So. stdg.

**PLS 360. Liberal Democracy And Its Critics. 3 credits. OD**

Development of classical liberalism on American conservatives and liberals. Readings include Hobbes, Locke, and Mill, classical economists, utilitarians, and American pluralist writers, as well as their critics. P. So. stdg.

**PLS 362. Conservative Political Thought. 3 credits. OD**

Major works of Burke, deTocqueville, Montesquieu and other major classical conservative authors. Twentieth Century conservatism and its diverse philosophical currents. P. So. stdg.

**PLS 365. Classics of Political Thought. 3 credits. AY, SP (Same as PHL 365)**

Critical readings of Plato, Aristotle, Machiavelli, Hobbes, Locke, and Marx, with emphasis on their contributions to contemporary political understanding. P. So. stdg.

**PLS 372. Equality, Minorities, And Public Policy. 3 credits. AY, SP (Same as AMS 372, BKS 372, HIS 372)**

Incorporates continuing discourses between a historian and a political scientist. Exploration of the political processes whereby minorities have influenced the formulation and implementation of policy and governmental responses to demands for equal treatment. P. So. stdg.

**PLS 390. Philosophy of Law. 3 credits. (Same as PHL 390)**

Using narratives, judicial decisions, and scholarly articles, this course examines philosophical problem related to law such as the nature of law itself and concepts such as responsibility, duty, liberty, rights, punishment, and justice. P. Philosophical Ideas course, Ethics course.

**PLS 401. The European Union. 3 credits. AY, FA (Same as GER 401)**

Review of European co-operation and integration from the Treaty of Rome in 1958 to the present. Analysis of institutions and politics of the European Union. Issues such as currency integration, international trade, environmental and social regulation, admission of new members and movements of people. P. So. stdg.

**PLS 402. Theories of Comparative Politics. 3 credits.**

This course aims to introduce students to a broad array of 'classic' literature in the field of comparative politics. We will review and critique the pillars of comparative politics, including works in the areas of behavioralism, institutionalism, rational choice theory, comparative political economy and others. Our focus is on 'great works' as well as the debates they produced in their time and today. P. Sophomore standing.

**PLS 405. Ethnicity, Nationalism and Democracy. 3 credits. AY (Same as AFS 405)**

Course explores historical and contemporary patterns of democratization and ethnic conflict. Emphasis is on contemporary case studies and theories. P. So. stdg.

**PLS 407. Revolutions and Revolutionary Movements. 3 credits.**

Survey of major political revolutions. Case studies include France, Russia, China, Iran. Coverage of major theories regarding the causes and consequences of major revolutions as well as incomplete and failed revolutionary movements. P. Jr. stdg.

**PLS 408. The New Institutionalism. 3 credits.**

The New Institutionalism is rooted in rational choice theory, it focuses on deductive theory building to arrive at hypotheses about a very rich number of phenomena in the real world having to do with the interaction of institutions: supreme court decisions, presidential veto, congressional committee decisions, government formation in parliamentary systems, and the like.

**PLS 409. International Law. 3 credits. SP**

Contemporary nation-states are creations of international law. Course engages the many controversies over who is subject to this law, how the law is created and enforced, and the relationship of international law and international politics. P. Soph standing.

**PLS 410. Seminar On Comparative Politics. 1-3 credits. OD**

Each semester focuses on one problem or issue such as reforms in Eastern Europe, rebellion and repression in China, revolutions, the future of Israel, etc. May be repeated under different subtitles. P. So. stdg.

**PLS 420. Seminar On American Government And Politics. 3 credits. OD**

Each seminar focuses on one problem or issue such as corruption in government, environmental politics, restructuring and reforming American government; etc. May be repeated under different subtitles. P. So. stdg.

**PLS 421. Public Opinion, Political Behavior And Survey Research. 3 credits. OD**

Course explores how public attitudes and opinions about contemporary issues are formed and evolve. Opinion trends regarding key issues are explored, as well as techniques used to research these topics: questionnaire construction, sampling, and PC-based statistical analysis using SPSS. P:PLS 310 or SOC 314.

**PLS 432. Democratic Theory. 3 credits. OD (Same as AMS 432)**

Major themes and thinkers on the role of government and the nature of a democratic political culture. Issues such as popular control, public participation, local autonomy, individualism, political liberty, authority, and variations in democratic political ideology are explored. P. Jr. stdg.

**PLS 433. Public Policy Analysis. 3 credits. AY (Same as HAP 433)**

Examination of approaches to public problem solving and public policy analysis. Key theories of power and policy, strategies for analyzing public problems and developing policy proposals, and policy in specific areas. P. Jr. stdg.

**PLS 435. Global Poverty and Development. 3 credits. AY**

Theories and strategies of political, social and economic development of the least developed countries. Topics include: alternative models of development, problems of rural poverty, the roles of international organizations, political-economy of underdevelopment, international capital, and multi-national corporations. P. Magis Core Understanding Social Science; So. stdg.

**PLS 436. Politics And Ethics Of Science And Technology. 3 credits. AY (Same as SRP 436)**

Study of the interrelationship of politics, ethics and science in contemporary societies. The course examines the role of government in encouraging and regulating science and technological development in American and international settings. P. Sr. stdg.

**PLS 437. Religion And Public Life In The United States. 3 credits. OD (Same as AMS 437)**

Survey of American religious experiences and their impact on politics. Includes the guarantees of religious liberty, religion and political activism, and religion as a source of conflict and consensus. P. So. stdg.

**PLS 439. Dangerous Words: The First Amendment To The Constitution. 3 credits. AY**

Course confronts the distinction between words and actions that underlies much of our understanding of the First Amendment's guarantees of freedom of speech and press. Uses constitutional decisions regarding the First Amendment to explore the nature of language and its effects. P. Jr. stdg.

**PLS 440. Seminar on International Relations. 1-3 credits. OD**

Each seminar focuses on one problem or issue such as disarmament, the future of the Atlantic Alliance, terrorism, Third World debt, Russian-American relations, Islamic fundamentalism, etc. May be repeated under different subtitles. P. So. stdg.

**PLS 459. Marxism. 3 credits. OD (Same as GER 459, PHL 459)**

In-depth study of the philosophical and political writing of Karl Marx, the historical evolution of Marxism, and its impact on contemporary thought. P. Philosophical Ideas course.

**PLS 461. Contemporary Political Theory. 3 credits. OD**

How political scientists conceptualize and interpret key issues of contemporary political life. Issues such as the expansion and centralization of legitimate power, logic of organizational behavior, rational-choice theories of individual and group behavior and others. Authors include Dahl, Lowi, Huntington, Downs, Lindblom, Olson, Ostrom, Simon, etc. P. Jr. stdg.

**PLS 463. Game Theory And Social Choice. 3 credits. OD**

Introduction to economic modeling of political interactions and social choice processes. Covers a set of analytic tools that are used to explain and predict political and economic behavior. P. Jr. stdg.

**PLS 465. Faith and Political Action. 3 credits. AY (Same as JPS 465)**

Challenges students to understand theological and political science perspectives on social policy issues and the work of religious-based organizations in politics. Course includes 20 hours of work with a community partner during the semester. P. Sr. stdg.



**PLS 472. International Conflict. 3 credits. SP**

Patterns and possible causes of international terrorism, legitimacy, ethnic conflict, and interstate war. Examines political culture, social context, economic interests, interplay of nationalism and political change. Explores contemporary theories including realism and neo-realism, liberalism and neo-liberalism, bargaining, and game theory. P. So. stdg.

**PLS 481. Poverty, Development and Public Policy. 3 credits. SU**

Course explores in an international and comparative way the multi-dimensional nature of poverty, including such factors as political powerlessness, physical and social isolation, racial and gender discrimination and economic systems. Ethical issues regarding these are explored. P. Sr. stdg.

**PLS 482. Race In America: Idea And Reality. 3 credits. OD (Same as AMS 482, BKS 482, HIS 482, PHL 482)**

An examination of the idea and reality of race during key phases of U.S. history, with an emphasis on the contemporary situation. To understand the multiple meanings and experiences of race, the course draws on sources from science, literature, law, and philosophy. P. Philosophical Ideas course.

**PLS 483. Public Affairs Internship. 1-6 credits. FA, SP, SU**

Students work as entry-level professionals in selected offices of government or government related agencies and organizations. May normally be repeated to a limit of six hours unless a departmental waiver is granted. Normally, junior standing and a 3.0 grade-point average are required for internship placement. P. Sophomore standing; Magis Core Ethics course.

**PLS 485. Practicum In The United Nations. 1-3 credits. SP**

Research and supervised simulation of the diplomatic roles of actors in the United Nations System. P. IC.

**PLS 487. Practicum In Selected National Policy Issues. 1-6 credits. FA, SP, SU**

Students participate in seminars, workshops, and projects on selected policy issues in Washington, D.C. P. IC.

**PLS 488. Senior Colloquium in Political Science. 3 credits. OD**

Intensive survey of selected seminal authors in political science. P. Jr. stdg.

**PLS 490. Advanced Research Practicum. 3 credits. OD**

Intense exploration of a research project to include the study of advanced methods, the development of the research question, compilation of the literature review, explication of the hypothesis(es) and theory, acquisition and testing of the data, and formation of conclusions and implications. Goal is an article of publication quality. P. IC.

**PLS 493. Directed Independent Readings. 1-3 credits. FA, SP, SU**

Program of readings arranged by the student in cooperation with a consenting instructor in the department. May be repeated to a limit of six hours unless departmental waiver granted. P. IC.

**PLS 497. Directed Independent Research. 1-3 credits. FA, SP, SU**

Individual research and writing under the direction of a consenting instructor in the department. May be repeated to a limit of six hours. P. IC.

**PLS 520. Statistical Methods for Public Administration and Policy Analysis. 3 credits. OD (Same as HAP 520)**

Application of research methods tools to public management issues. Reviews basics of research design with attention to public management applications such as benchmarking. Covers the use and interpretation of key statistical methods in public management applications. Introduces use of other quantitative methods such as cost/benefit analysis and qualitative methods such as focus groups. P. IC.

**PLS 530. Advanced Statistics for Political Science. 3 credits.**

This course is designed to acquaint students with advanced research tools used by political scientists. We will build on basic bivariate models to include an array of multivariate techniques, including those that incorporate time series and cross sectional data. By the end of the semester, students will be able to produce a sophisticated data analysis project that could be publicly presented. P or CO: PLS 215 and PLS 310.

**PLS 540. Structural Injustice: Engaging Constructively with Demographic Change. 3 credits.**

The 2040 Initiative Seminar examines the challenging issues that arise as changing demographics trends in racial and ethnic make up in the United States as well as other sweeping trends like the aging of the Baby Boom generation, continuing urbanization, growing economic inequality and residential self-sorting of citizens intersect with law and politics. The course examines demographic trends, explores the ethical, legal, and political issues related to these trends, and examines policy options and social changes to bring about more just and effective systems. P. Senior Standing; One Magis Core Critical Issues in Human Inquiry course.

**PLS 591. Senior Research Seminar In Political Science. 3 credits. FA**

Students work in seminar environment on original research project and prepare individual senior theses required for graduation. P. Magis Core Oral Communication course; Magis Core Contemporary Composition course; PLS 215; PLS 310; Sr. stdg.

**PLS 592. Advanced Research Practicum. 3 credits.**

Intense exploration of a research project to include the study of advanced methods, the development of the research question, compilation of the literature review, explication of the hypothesis(es) and theory, acquisition and testing of the data, and formation of conclusions and implications. Goal is an article of publication quality. P. Instructor consent.

**PSY 120. General Psychology. 3 credits.****PSY 201. Introductory Psychology. 3 credits. FA, SP, SU, W**

Introduction to the methods used in the psychological science and basic concepts, findings, and theories in the study of behavior and mental processes.

**PSY 270. Personal Growth And Development. 3 credits. SP**

Encourages students to explore, expand, and deepen their understanding of themselves. Activities are structured to provide opportunities for self-discovery, either working alone or with others in pairs or small groups. P. PSY 201.

**PSY 271. Developmental Psychology. 3 credits. OD**

An overview of psychological, emotional, social, and physical patterns of behavior related to the following stages: prenatal, infancy, and early childhood; late childhood; adolescence; early adult years; middle adult years; and late adulthood. P. PSY 201. This course does not fulfill any of the requirements of the psychology major.

**PSY 272. Psychology Of Separation And Loss. 3 credits. FA**

Discussion of the insights and scholarly research on the ramifications of separation and loss, as well as strategies for coping with these events. Areas of concern include death and dying, the loss of relationships, the loss of physical and cognitive abilities, employment loss, and loss of self-esteem. P. PSY 201.

**PSY 313. Research Methods And Statistics I. 3 credits. FA, SP**

This course will teach and apply the statistics and research methods utilized in non-experimental psychological research. The content covered in this course will provide a strong foundation for understanding psychology as a science and will include application of course material using statistical software. P. PSY 201; CO: PSY 314.

**PSY 314. Research Methods and Statistics I - Laboratory. 1 credit. FA, SP**

This laboratory applies knowledge gained in the lecture course. It includes research ethics, conducting descriptive research studies in the behavioral sciences, and writing research reports using APA writing style. You will learn how to design, implement, analyze, and report on an independent, descriptive research project. P. PSY 201; CO: PSY 313.

**PSY 315. Research Methods And Statistics II. 3 credits. FA, SP**

This course teaches and applies inferential statistics and experimental research methods. Statistical techniques emphasize univariate and between-groups analysis based primarily on normal distributions. The methods component concentrates on identifying and eliminating sources of error in psychological research. Satisfies Magis Core: Doing Social Science; Magis Designations: Statistical Reasoning, Technology. P. PSY 201; PSY 313; PSY 314; Understanding Social Science; Mathematical Reasoning. CO: PSY 316.

**PSY 316. Research Methods And Statistics II Laboratory. 1 credit. FA, SP**

This laboratory applies knowledge learned in lecture. It focuses on research ethics, conducting experimental studies, and writing research reports using APA style. By the end of the semester, you will have designed, implemented, analyzed, and reported on an independent research project. Satisfies Magis Core: Doing Social Science; Magis Designations: Ethics, Oral Communication, Written Communication. P. PSY 201; PSY 313; PSY 314; Understanding Social Science; Ethics; Oral Communication; Contemporary Composition; CO: PSY 315.

**PSY 326. Undergraduate Internship In Psychology. 3-4 credits. FA, SP**

Provides advanced students with opportunities for field experience in clinical/counseling and human services. Carried out in cooperation with Omaha-area agencies that can provide adequate professional supervision of students. Experiences vary depending upon the characteristics of the student and the agency. In addition to placement time, there is a required discussion session on campus. May be repeated to a limit of eight hours. P. PSY major; Jr. or Sr. stdg.; IC.

**PSY 341. Infant and Child Development. 3 credits. FA, SP**

Development of the child from conception through late childhood. Covers such topics as emotional, physical, motor, cognitive, and social development, as well as issues encountered in child-rearing. P. PSY 201.

**PSY 342. Adolescent And Adult Development. 3 credits. SP, SU**

Examines the second part of the lifespan. Human development in adolescence, young adulthood, midlife, and late adulthood is explored through discussion of various topics including: physical changes, cognitive development, social and personality development, the transition to adulthood, sexuality and relationships, marriage, parenthood, work and retirement, stress and coping, and death and dying. P. PSY 201.

**PSY 343. Psychology of Personality. 3 credits. FA, SP**

Principles and theories of personality from a scientific perspective. P. PSY 201.

**PSY 344. Social Psychology. 3 credits. FA, SP**

Exploration of the social factors that influence individual behavior and mental processes. Areas covered include social cognition, persuasion, conformity, aggression, altruism, and perceiving others. P. PSY 201.

**PSY 351. Psychopathology. 3 credits. FA, SP, SU**

Survey of psychological disorders of adulthood with emphasis on the clinical description of each disorder, explanatory theories, research on etiology and treatment, and issues in prevention. P. PSY 201.

**PSY 352. Health Psychology. 3 credits. FA, SP**

Explores the psychological factors involved in health and illness. Topics include stress, disease and personality, patient compliance, health transactions, medical decision-making, and training of health professionals. P. PSY 201.

**PSY 353. Industrial Psychology. 3 credits. SP**

An overview of industrial (personnel) and engineering (human factors) psychology. including the changing nature of work. Topics include technology in the workplace, test development and validation, job analysis, personnel selection, performance appraisal, training, and legal issues in personnel. P. PSY 201.

**PSY 361. Neuropsychology. 3 credits. FA**

An introduction to how the neurological organization of the brain influences the way people think and act. Discussion focuses primarily on dysfunctional systems. Topics include motor disorders, agnosias, attention, memory, and developmental disorders. P. PSY 201.

**PSY 363. Psychology and the Law. 3 credits. FA**

Examination of the interface between psychology and the law in criminal and civil issues. Topics include juvenile justice, civil commitment, the duty to warn, rights of victims and the accused, competency to stand trial, the insanity defense, use of confessions, eyewitness reliability, and use of expert witnesses. P. PSY 201.

**PSY 367. Contemporary Trends in Psychology. 1-3 credits. OD**

Our dynamic society gives rise to psychological issues of current importance. The flexibility of this course will permit exploration of current topics. May be repeated to a limit of six hours. P. PSY 201.

**PSY 369. Organizational Psychology. 3 credits. FA**

An overview of organizational psychology. Topics include motivation, leadership, group processes, organizational stress, job satisfaction, communication processes, decision theory, power, and organizational effectiveness, development, and change. P. PSY 201.

**PSY 370. Applying Research Methods and Statistics in Psychology. 3 credits.**

This course will examine: a) the philosophical roots of empirical science, b) key topics in understanding social science (e.g., understanding the merits and limitations of descriptive and experimental research), and c) the application of these research methods and statistics to their own laboratory (i.e., experiments) and field data (e.g., surveys and naturalistic observation). P. Understanding Social Science course; Mathematical Reasoning course; PSY 201. This course does not fulfill any requirement for the psychology major.

**PSY 376. School Psychology. 3 credits. FA**

This course is designed to be an introduction to the application of psychology in the school systems. School-related issues, including those applying to systems and individuals, will be discussed. P. PSY 201.

**PSY 377. Psychology and AIDS. 3 credits. SP**

A study of the psychological aspects of HIV/AIDS, its impact on our health care systems, and society in general. P. PSY 201.

**PSY 401. The Psychology of Prejudice. 3 credits.**

This course will examine various theories, research methods and findings on the processes and mechanisms that promote stereotyping, prejudice, and discrimination, as well as how to effectively reduce prejudice and discrimination. Each module takes a different perspective on this most complex and persistent human problem. P. PSY 201.

**PSY 423. Psychological Assessments. 3 credits. FA**

This course provides content in two key areas associated with the development and use of psychological tests and assessments. The course begins with basic psychometric issues such as reliability and validity. The course also focuses on how various types of tests and assessments are used in clinical, school, and work settings. These include personality assessment, cognitive ability assessment, aptitude and ability testing. P. PSY 201.

**PSY 424. History And Systems Of Psychology. 3 credits. SP**

Survey of some historical antecedents of modern psychology and a review of major contributors to psychology and their particular historical contexts. P. PSY 201. P. Jr. or Sr. stdg.

**PSY 426. Evolutionary Psychology. 3 credits. SP**

The course examines the mechanisms of the human mind through the lens of evolution. Human behavior is influenced by psychological mechanisms and adaptations that evolved to cope with the challenges of survival and reproduction in our evolutionary past, and understanding these procedures can unify diverse areas of psychology. P. PSY 201; Jr. or Sr. Stdg.

**PSY 428. Cross-Cultural Issues in Psychology. 3 credits. SU (Same as BKS 428)**

Explores gender, ethnic, and cultural factors that influence the beliefs, values, behaviors, and experiences of individuals. Provides a fundamental understanding of one's own culture and behavior through exploration of a variety of cultures. P. PSY 201. P. Jr. or Sr. stdg.

**PSY 431. Cognitive Psychology. 3 credits. FA, SP**

Survey of current psychological views of human information processing including such topics as attention, perception, short-term memory, long-term memory, reasoning, and problem solving. P. PSY 201.

**PSY 433. Motivation and Emotion. 3 credits. FA**

Surveys research and theories related to human motivational processes, goal pursuit, and approaches to emotional states such as anger, happiness and sadness. Relevant research will focus on biological, psychological, and environmental influences on motivation and emotion. P. PSY 201.

**PSY 434. Principles of Behavior. 3 credits. FA, SP**

Explores experimental paradigms of learning. Topics include classical and operant conditioning, discrimination, generalization, and extinction of learned responses. P. PSY 201.

**PSY 436. Sensation and Perception. 3 credits. FA**

Focuses on the psychological impact of physical stimulation. The processes whereby humans derive meaning from visual, auditory, tactual, olfactory and gustatory stimulation are discussed. P. PSY 201.

**PSY 437. Behavioral Neuroscience. 3 credits. FA, SP**

Examines biological bases of behavior with emphasis on mechanisms of neuron function and general neuroanatomy. Sensory function, motor control, and current information regarding the physiology of learning and memory are also discussed. P. PSY 201.

**PSY 441. Cognitive Neuroscience. 3 credits.**

This course will explore how thinking develops and changes throughout the lifespan. Topics discussed will include how neurocognitive architecture changes (i.e., brain changes) underlie behavioral changes in memory, attention, reading, and decision-making. Scientific experiments on development will be examined. P. PSY 201.

**PSY 463. Forensic Psychology. 3 credits. SP**

Surveys the intersection of mental health practice and the law. Focuses on what clinical forensic psychology has to offer legal processes and how the law may dictate the interests of and research conducted by practicing psychologists. P. PSY 201.

**PSY 464. Developmental Psychopathology. 3 credits. FA**

Introduction to the variety of psychopathological disorders that occur during infancy, childhood, and adolescence. Conditions studied include attachment disorder, autistic disorder, conduct disorder, schizophrenia, eating disorders, and dissociative identity disorder. P. PSY 201 and PSY 341; Jr. stdg.

**PSY 465. Advanced Behavioral Research. 3 credits. OD**

A comprehensive research course that directs students to integrate classroom research concepts with hands-on experience through existing research programs. Especially recommended for majors planning graduate study. P. PSY 315, PSY 316; IC; Jr. or Sr. stdg.

**PSY 470. Human Sexuality. 3 credits.**

An empirical basis for understanding human sexuality; examination of personal sexual values and standards in the context of the physiological, psychological, and socio-cultural components of human sexuality. P. PSY 201; Jr. stdg.

**PSY 471. Crisis Intervention. 3 credits. OD**

Offers an introduction to the front-line interventions and basic therapeutic techniques used in crisis management. Skills are taught through their applications to specific crises including battering, sexual assault, substance addiction, suicide, and bereavement. P. PSY 201.

**PSY 472. Group Dynamics. 3 credits. OD**

An exploration of the social psychological aspects of group dynamics as they apply to all types of small groups. Topics covered include group goals, team development, group cohesion, leadership, decision-making, and dealing with diversity. P. PSY 201.

**PSY 473. The Psychology of Gender. 3 credits. OD**

This course will examine the topic of gender - the behaviors and attitudes that relate to (but are not entirely congruent with) biological sex. A critical review of gender research is at the center of this class. We will review empirical articles on sex, gender-related behaviors taken from the areas of psychology, sociology, biology, biochemistry, neurology, evolution, and anthropology to generate an overall picture of gender from a psychological perspective. P. PSY 201.

**PSY 474. Undergraduate Internship In Industrial/Organizational Psychology. 3-4 credits. OD**

Field experience in industrial-organizational psychology for upper-level students. Students are placed in Omaha-based organizations. Past placements have offered experience in employee selection, performance appraisal, training, compensation, affirmative action, test construction and validation, and various legal aspects of industrial-organizational psychology. May be repeated to a limit of eight hours. P. PSY major, Jr. or Sr. stdg., IC, PSY 353.

**PSY 475. Clinical Psychology. 3 credits. SP**

The purpose will provide students with an overview of the history, roles, responsibilities, activities, and theories in the field of clinical psychology. Topics include the history of clinical psychology, theoretical models, assessment and intervention approaches, specialization, ethics, and current trends in the field. P. PSY 201.

**PSY 481. Drugs and Behavior. 3 credits. FA**

This course will provide an overview of psychotropic drugs, both legal and illegal. Topics will include basic psychopharmacology, physiological brain effects, historical and current drug and drug-war American culture, social impacts and controversial issues related to drug use and abuse. P. PSY 201.

**PSY 491. Honors Seminar. 3 credits. FA**

Selected senior students, under the direction of the faculty member, will address some topic that has current prominence in the field of psychology. Students will do an extensive reading of the literature, discuss their findings with the group, and then produce a quality paper on the topic. Participants will be selected by the faculty of the Department of Psychology. P. IC; Jr. or Sr. stdg.

**PSY 495. Directed Independent Study. 1-3 credits. FA, SP, SU**

Provides the student an opportunity to design a course of study in a particular area of interest in psychology. The content may be applied or academic in nature, and the student is required to work with a faculty member in the design and implementation of this course of study. May be repeated to a limit of six hours. P. PSY major; Jr. stdg.; IC.

**PSY 497. Directed Independent Research. 0-3 credits. FA, SP, SU**

Provides the student an opportunity to explore a particular area of interest. This exploration might be in the form of empirical research or library research. The content will be agreed upon by the student and a faculty member in the Department of Psychology. May be repeated to a limit of six hours. P. PSY major; Jr. stdg.; IC.

**PSY 510. Growth and Development. 3 credits.**

This course covers the theory and research literature of human development in every phase of life. Physical, cognitive, language, motor, personality, social, affective, moral, and spiritual development are considered as the course seeks to prepare students for roles in school, counseling, or therapeutic settings. P. EDU 170 or PSY 201. Please note: This course does not fulfill any of the requirements of the psychology major.

**PSY 540. Introduction to Counseling: Professional Orientation and Ethics. 3 credits. OD (Same as COU 540)**

A survey of the counseling process including the role of the counselor, characteristics of clients, helping and referral skills, and theories of counseling. The Code of Ethics supporting the profession is introduced. P. Sr. stdg.

**PSY 590. Counseling Significant Losses. 3 credits. OD (Same as COU 590)**

An investigation of the counseling process as applied to life events that occur in the area of significant loss. An investigation of the role of the counselor, characteristics of clients, helping and referral skills, and theories of counseling as applied to significant loss events.

**RSP 101. An Introduction to the Culture of Collegiate Life. 0.5,1 credits. FA**

This course introduces first-year students in the College of Arts and Sciences (CCAS) to life at Creighton University. In addition to the topics common to all 100-level RSP courses, students learn about the CCAS Ratio Studiorum, or plan of study, including the College's six learning objectives and degree requirements (major and minor). Assignments may include class discussion of a selected book that addresses aspects of self-exploration and self-discovery. The course is taught by a Faculty Preceptor, supported by a Decurion (a junior or senior personally invited by the Preceptor).

**RSP 102. An Introduction to the Culture of College Life. 1 credit. FA**

This course introduces first-year students in the College of Nursing to life at Creighton University. In addition to the topics common to all 100-level RSP courses, students learn about Nursing's Ratio Studiorum, or plan of study, including the College's Program Objectives and degree requirements. Assignments include class discussion of a selected book, read during the summer, that addresses aspects of self-exploration and self-discovery. The class is taught by a Faculty Preceptor, supported by a Decurion (usually a senior Nursing student personally invited by the Preceptor).

**RSP 103. An Introduction to the Culture of Collegiate Life. 1 credit. FA**

This course introduces first-year students in the Heider College of Business to life at Creighton University. In addition to the topics common to all 100-level RSP courses, students learn about the College's Ratio Studiorum, or plan of study, including the College's six learning objectives and degree requirements (major and minor). Course readings and class discussions focus on concepts of leadership and the College's leadership development program. The course is taught by a Faculty Preceptor, supported by a Decurion (an upperclassman personally invited by the Preceptor).

**RSP 104. Introduction to the Culture of Collegiate Life. 0.5 credits. FA**

This course introduces first-year students in the Honors Program of the College of Arts and Sciences to life at Creighton University. In addition to the topics common to all 100-level RSP courses, Honors students learn about the CCAS Ratio Studiorum, or plan of study, including the College's six learning objectives and degree requirements (major and Honors Program). Assignments may include class discussion of a selected book that addresses aspects of self-exploration and self-discovery. The course is taught by a Faculty Preceptor, supported by a Decurion (a junior or senior personally invited by the Preceptor).

**RSP 105. Introduction to the Culture of Collegiate Life. 1 credit. FA, SP**

This course introduces transfer students in the College of Arts and Sciences and Heider College of Business to life at Creighton University. In addition to the topics common to all 100-level RSP courses, transfer students learn about their respective College's Ratio Studiorum, or plan of study, including its learning objectives or goals and its degree requirements. Assignments may include class discussion of a selected book that addresses aspects of self-exploration and self-discovery. The course is taught by a Faculty Preceptor, supported by a Decurion (usually a former transfer student personally invited by the Preceptor).

**RSP 110. Student Support Svcs Lab. 0 credits.**

This non-credit lab serves as a co-curricular component for first-year students enrolled in the University's Student Support Services program. In conjunction with the students' RSP course, RSP 110 allows for further development of the non-cognitive skills necessary for the transition to college life.

**SOC 101. Introduction to Sociology: Self and Society. 3 credits.**

Human beings live out their lives in a multitude of social relationships. This course explores the meaning of these relationships by considering four questions: (1) How is social life organized? (2) What consequences does this social organization produce? (3) How does social organization change? (4) How does this organization affect individuals?.

**SOC 170. Social Science and Social Problems. 3 credits.**

This course examines how and why some issues come to be conceptualized as social problems and how this affects understandings of their causes and potential remedies. Today inequalities of class, race, gender, sexuality, and ability are the subject of social justice struggles that must be understood in both personal and institutional terms. CO: COM 101.



**SOC 201. Introduction to the Criminal Justice System. 3 credits. (Same as CRJ 201)**

A survey of the development, modification, and enforcement of criminal law. Special attention will be given to the courts, corrections, and enforcement agencies, and the role of competing values in the decision-making process. In addition to the western legal heritage that has been the principle influence in U.S. criminal law, the perspective of non-western traditions of criminal justice will be addressed. P. Sophomore standing.

**SOC 211. Medical Anthropology. 3 credits. (Same as ANT 211)**

This course utilizes a variety of anthropological theories to explore human experiences of health, illness and healing. It examines the role of culture in shaping illness and healing systems, studies the interconnections between humans and pathogens, and considers how social power relations affect disease patterns. Students also learn about different types of healers, diagnostic techniques, ritual and pharmacological therapies, spirit possession, and shamanism.

**SOC 301. Social and Cultural Theory. 3 credits. (Same as ANT 301, AMS 301)**

An exploration of the ideas central to sociology and anthropology from the perspective of their historical and contemporary theories. Special attention is given to the implications of these ideas for understanding human social values. P. So. stdg.

**SOC 309. The Urban Social System. 3 credits. (Same as BKS 309)**

Examination of the process of urbanization as it affects the lives and institutions of local populations and incorporates them into much larger national and international systems.

**SOC 310. Religion And Contemporary American Society. 3 credits.**

An examination of religious beliefs, behaviors, and structures as they relate to contemporary America. In addition to studying established religious forms, attention is also given to the public controversies connected with religion and to new religious movements and trends. P. So. stdg.

**SOC 312. Research Design for the Social Sciences. 3 credits. (Same as HAP 312, CRJ 312)**

Introduction to social science research methods. Attention is directed to the basic logic and research techniques involved in studying the social world scientifically. Specific topics considered include research design, measurement, alternative data collection procedures, and ethical concerns involved in studying social life. Satisfies Magis Core: Doing Social Science; Magis Designations: Ethics, Written Communication. P. Contemporary Composition; Ethics; Understanding Social Science.

**SOC 313. Power and Society: Political Sociology in Action. 3 credits.**

Political Sociology is an investigation into the social bases of politics, power and the state. The course begins with an overview of major perspectives on power; the relationship between the state and society; and political participation. The second part of the course will focus on empirical research examining power in the U.S., and introduce the field of power structure research. P. One Magis Core Understanding Social Science course.

**SOC 314. Statistics for the Social Sciences. 4 credits. (Same as ANT 314, CRJ 314)**

Broad introduction to the statistical techniques used by social scientists to analyze their data, including computer usage. Attention is directed to the basic procedures for organizing and describing data, for assessing relationships among social variables, and for using that information to make inferences about the population. P. Mathematical Reasoning.

**SOC 316. Qualitative Methods, Ethnography, and Engagement. 3 credits. (Same as AMS 316, ANT 316, CRJ 316)**

This course is an introduction to qualitative research methods within the social sciences. It emphasizes ethnography and community engagement as the primary tools of anthropological research. It promotes skill development in reflective practice, research design, partnership building, strategies for collecting ethnographic data and analysis, engaging in field work through participant-observation, and community problem-solving. The course develops compassion, confidence and competence as it contributes to social justice action in student's communities and their professions. Meets Doing Social Science, Designated Ethics, Designated Oral Communication, Designated Technology, and Designated Written Communication Magis Core requirements. Prereq: Understanding Social Science course; Ethics course; Oral Communication course; Contemporary Composition course.

**SOC 317. Global Health: A Biosocial and Justice-Oriented Approach. 3 credits. (Same as AFS 317, ANT 317, HAP 317)**

This course provides a biosocial framework for the study of Global Health arguing that global health issues can only be sufficiently understood and addressed by recognizing their physiological as well as their sociocultural contexts and the dynamic interplay between both. Global health as a discipline is, therefore, interdisciplinary and draws from diverse academic and applied disciplines and professions. This course also highlights the increased recognition in Global Health of health and access to health care as a human right and includes discussions on the importance of a commitment to global health justice and equity. P. So. stdg. P. So. stdg.

**SOC 318. Gender in American Society. 3 credits. (Same as AMS 318)**

Comprehensive examination of the forces shaping the position and behavior of women and men in modern American society. How and why do these positions and behavior differ? What are the consequences of these differences? Emphasis on gender as enacted across the spectrum of multicultural diversity in American society, with some comparison to other societies. P. Understanding Social Science; Sophomore standing.

**SOC 320. Theories of Crime and Deviance. 3 credits. (Same as CRJ 320)**

A sociological examination of the conditions under which societal definitions of deviance emerge, develop, and change over time. Special attention will be paid to the process of societal reaction to deviant behavior. Prereq: Sophomore standing.

**SOC 322. Victim Advocacy Policy and Practice. 3 credits. SU (Same as CRJ 322)**

The goal of this course is to increase the knowledge base of participants interested in victim assistance to become more skilled in their approach thereby building the capacity of advocates, service providers and law enforcement to help victims of crime regain control of their lives. Through exploration of existing research on best practices, case analysis, and inter-professional dialogue participants develop a baseline understanding of existing practices and explore creative approaches to serving as victim advocates.

**SOC 323. Crime, Victimization and Public Health. 3 credits. (Same as AMS 323, CRJ 323)**

This course examines how crime and victimization are perceived within society, how they are measured through quantitative and qualitative lenses, and the particularities of urban environments that intersect with high concentrations of crime and victimization, as well as considering crime and victimization from a public health perspective. P. Understanding Social Science or Instructor consent.

**SOC 337. Anthropology of War and Peace. 3 credits. (Same as ANT 337, JPS 337. Magis: Do Soc Sci, Written Comm)**

This course explores the dynamics of war and peace from an anthropological lens. Using ethnographic cases, students will examine approaches to peace, analyze the varied forms of violence that stifle it, and explore possibilities for transforming violent conflict. Students will apply anthropological methods to consider peacebuilding strategies in comparative contexts. Satisfies Magis Core: Doing Social Science, designated Written Communication course.

**SOC 340. Gender Communication. 3 credits. (COM 340)**

The course examines the construction of gender through communication. Topics of lectures, exercises, and discussions may include: female-male roles and stereotypes; differences in verbal and nonverbal codes; partnership styles and alternatives; communication skills in relationships; gender and media; sexuality; gender and rhetoric; and special problem areas of female-male communication. Satisfies Magis Core Doing Social Science. P. One Magis Core Curriculum Understanding Social Science course.

**SOC 341. Race and Justice. 3 credits. (Same as AMS 341, ANT 341, BKS 341, CRJ 341)**

This course focuses on racial and ethnic inequality in the U.S. criminal justice system. What are the determinants and consequences of prejudice and discrimination; of race and ethnicity; of ethnocentrism; sex/gender norms and class structure, as they relate to racial/ethnic minority groups/members affected by the criminal justice system? How is the society and culture we live in different from that of our parents and that of our grandparents or our great grandparents? What led to the changes we see today? Are there alternative social arrangements that may yield more equality, more efficiency, and more social justice? The goal of this course is to provide you with the basic concepts, theories, and historical context required to critically analyze and answer these questions with regard to racial/ethnic minority groups/members affected by the criminal justice system. Prereq: Sophomore standing.

**SOC 345. Sports in American Society. 3 credits. (Same as ANT 345, AMS 345)**

How American cultural norms, values, and beliefs are reflected in and are influenced by sport. Included will be issues of basic cultural values and ideology, racial and ethnic groups, gender, and the role sport plays in American culture.

**SOC 360. Gender, Society and Culture. 3 credits. (Same as AMS 360, ANT 360)**

Examines gender from a holistic perspective, including language, biology, cultural history, and socio-cultural variables. The course will examine gender in a wide variety of cultures. P. So. stdg.

**SOC 385. Community Internship I, II. 3 credits.**

Omaha city government departments and other private and public agencies provide opportunities for semester-long participation in their regular operations. Academic coordination provided by a department faculty member. May be repeated for up to 6 hrs. Prereq: Instructor consent.

**SOC 399. Trauma Care for the Whole Person. 3 credits. ONLY**

It is essential for social workers and helping professionals to be reflective practitioners and know how to effectively care for others as well as themselves. Students will explore the distinctions of trauma including: physical, psychological, social, historical, ongoing, and vicarious trauma. This course is designed to examine the impact of trauma on the mind, body and spirit. Trauma care is not only for the individuals, families and/or communities with whom they work but also to develop resiliency in the mind, body and spirit of the helping professionals. P. Sophomore standing.

**SOC 400. Topical Seminar in Sociology. 1-3 credits.**

Seminars offered on special topics related to sociology. Topics vary from semester to semester. May be repeated under different subtitles. P. Jr. stdg.

**SOC 411. Social Inequality and Stratification. 3 credits. (Same as AMS 411, ANT 411)**

Nature, causes, and consequences of social inequality and stratification, with particular attention directed to the interaction among class, race and ethnicity, and gender. P. Jr. stdg.

**SOC 415. Social Stratification in the Dominican Republic. 3 credits. (Same as SPN 415, ANT 415)**

In this course we will study the nature, causes, and consequences of social inequality and stratification in the Dominican Republic, with particular attention directed to the interaction among class, race and ethnicity, and gender. P. Soph. stdg. and one course from Understanding Social Science.

**SOC 418. Healthcare, Society and Culture. 3 credits. (Same as ANT 418, HAP 418)**

This course analyzes health, illness, and healthcare by considering social forces, applying a social science perspective, and comparing this perspective with other paradigms in order to comprehend sources and distribution of illness, social meanings and experiences of illness, and diverse health care systems in domestic and global settings. P. One Magis Core Critical Issues in Human Inquiry course; Senior standing.

**SOC 420. Environment & Society: Sociological Perspectives. 3 credits. (Same as ANT/EVS 420)**

Human societies interact with the natural environments in which they are embedded. An examination of the driving economic, political, cultural, and demographic forces that cause human modification of the natural world, the resulting social and environmental problems and public controversies. A focus on movements and policies related to environmental issues, and the prospects for the emergence of more environmentally "sustainable" societies. P. Critical Issues in Human Inquiry.

**SOC 423. Law and Society. 3 credits. (Same as CRJ 423)**

A sociological examination of the development and evolution of models of legal systems from several contemporary cultures, with particular emphasis on the way each of the different models function either as a mechanism of social stability or as a mechanism of social change. This will include a survey of civil, criminal, administrative, and commercial issues, and their relationship to other social institutions, as well as a review of efforts to develop legal systems that transcend competing cultures, either by treaty, or by international organizations.

**SOC 424. Sustainability Across the Rural Americas. 3 credits. (Same as EVS 424, SOC 424)**

This interdisciplinary course studies sustainability and the diverse cultures of rural American peoples by looking at topics such as ethics, environmental resources, economic strategies, public policy and social inequality. This course offers off-campus field observation and ethical reflection assignments and involves students in active collaborative problem-solving research.

**SOC 425. What's for Dinner, Honey": Food, Culture, Gender and Health. 3 credits. (Same as ANT 425)**

This course examines the relationship between food, culture, and health to address issues of diversity, service, and social justice. Students will engage in personal and educational experiences in a dynamic learning environment where they can engage challenging food and health problems to develop their citizenship at local and global levels and begin to draw conclusions about the struggles for justice. The instructor and students work together at the intersection of intellectual inquiry and personal experience to seek to understand food, culture, and health intersections in the world at large. Drawing on the Ignatian tradition, the course involves research and writing as well as reflection, collaboration, and debate. P. Critical Issues in Human Inquiry course and Senior standing.

**SOC 430. Violent Environments and Sustainability. 3 credits. (Intersections course; Same as ANT/EVS/JPS 430)**

This course examines environmental violence and sustainability from an interdisciplinary perspective. Using ethnographic cases, we will consider environmental struggles for justice in relation to war, displacement, and political violence. Students will analyze how people resist and transform violence and explore concrete strategies for building a more just and sustainable world. Prereq: Critical Issues in Human Inquiry.

**SOC 455. Food, Society, and Environment. 3 credits. (Same as ANT 455, EVS 455)**

Access to food is a universal basic human need. This course considers the social and cultural significance of food, the ecological implications of producing it, the social justice issues that surround its distribution, and how the food system relates to public health from several disciplinary perspectives. Satisfies Magis: Doing Social Science and Designated Oral Communications. P. Oral Communication, Understanding Social Science.

**SOC 470. Making Maps that Matter: Introduction to Geographic Information Systems. 4 credits. (Same as AMS/ANT/CRJ/EVS 470)**

Geographic Information Systems-or GIS-refers to the technology used to store, edit, analyze, and present geographic data. This course will introduce students to both the technical and conceptual sides of making maps that matter. Weekly labs will teach the technical skills necessary for using geographic data to create maps. In addition to the technical skills, students will lead weekly book club and "mappy hour" discussions that will foster critical thinking about how GIS and maps are used in society. These readings will emphasize the importance of place and space to a range of contemporary social and environmental issues including poverty, pollution, crime, and racial injustice. Students will apply what they've learned in a semester-long mapping project to raise awareness about a social or environmental problem in a place of their choosing.

**SOC 493. Directed Independent Readings. 1-6 credits.**

Student-initiated survey of the literature related to a broad topic in sociology not covered in the student's course work. Undertaken in close cooperation with a supervising faculty member. May be repeated to a limit of six hours. P. IC.

**SOC 495. Directed Independent Study. 1-6 credits.**

Student-initiated project on a focused topic in sociology, utilizing library materials and involving close coordination with a supervising faculty member. May be repeated to a limit of six hours. P. IC.

**SOC 497. Directed Independent Research. 1-6 credits. FA, SP, SU**

Student-initiated empirical project on a focused topic in sociology, involving close coordination with a supervising faculty member. May be repeated to a limit of six hours. P. IC.

**SOC 499. Senior Capstone: Applying the Social Sciences. 3 credits.**

Students will connect, integrate and elaborate prior learning and skills by studying and interpreting a selected topic. Reading, research, discussion, writing, exercises and presentations will engage us in the topic and allow us to use our knowledge and skills developed by pursuing a sociology or anthropology major. The course provides both a completion of the undergraduate experience and engages students in program assessment.

**SOC 540. Structural Injustice: Engaging Constructively with Demographic Change. 3 credits.**

The 2040 Initiative Seminar examines the challenging issues that arise as changing demographics trends in racial and ethnic make up in the United States as well as other sweeping trends like the aging of the Baby Boom generation, continuing urbanization, growing economic inequality and residential self-sorting of citizens intersect with law and politics. The course examines demographic trends, explores the ethical, legal, and political issues related to these trends, and examines policy options and social changes to bring about more just and effective systems. P. Senior Standing; One Magis Core Critical Issues in Human Inquiry course.

**SPN 109. Beginning Spanish for Daily Life I: Online Lab. 1 credit.**

The online lab accompanies Beginning Spanish for Daily Life I, which focuses on acquiring essential elements for basic communication and developing practical language skills. In this co-requisite course, students apply their emerging language skills by completing online reading, writing, listening, grammatical, and cultural activities to accompany classroom content. This course is graded Satisfactory/Unsatisfactory. CO: SPN 111.

**SPN 110. Beginning Spanish for Daily Life II: Online Lab. 1 credit.**

The online lab accompanies Beginning Spanish for Daily Life II, which focuses on acquiring essential elements for basic communication and developing practical language skills. In this co-requisite course, students apply their emerging language skills by completing online reading, writing, listening, grammatical, and cultural activities to accompany classroom content. NOTE: This course is graded Satisfactory/Unsatisfactory. P. SPN 109 or placement. CO: SPN 112.

**SPN 111. Beginning Spanish for Daily Life I. 3 credits.**

This course introduces students to the language by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as provides a broader awareness of and appreciation for the cultures of the countries where Spanish is spoken. CO: SPN 109.

**SPN 112. Beginning Spanish for Daily Life II. 3 credits.**

This course continues to develop the language-learning process by focusing on the acquisition of essential elements for basic communication and development of the practical language skills (listening, speaking, reading, and writing) for communicating in daily life situations, as well as provides a broader awareness of and appreciation for the cultures of the countries where Spanish is spoken. P. SPN 111 or equivalent or placement; CO: SPN 110.

**SPN 113. Beginning Spanish for the Medical Professionals I. 3 credits.** Fundamentals of the pronunciation and structure of Spanish; practice in speaking, listening, reading and writing with emphasis on vocabulary related to medical situations. Designed for students planning careers in medicine, dentistry, nursing, and pharmacy and allied health but open to all. NOTE: This is an alternative beginning-level course to SPN 101. It is not open to those who have already taken SPN 101 and/or SPN 102, and it is open only to nonnative speakers of the language.

**SPN 170. Musical Perspectives:Hearing the Hispanic World. 3 credits.** This course presents a series of units that highlight music's connection to a variety of socio-cultural issues and topics relating to the Hispanic world, including colonization, evangelization and acculturation; religious and musical syncretism; race and racism; politics and protest; youth and poverty; poverty and pollution; borders, trafficking and immigration; and globalization, imperialism and identity. CO: COM 101.

**SPN 211. Introduction to Spanish Language and Culture. 4 credits.** This course is only available to students in the Jesuit Virtual Academy dual credit arrangement with Creighton University.

**SPN 213. Intermediate Spanish for the Medical Professionals I. 3 credits.** This course is designed to help students make the transition to natural communication in the context of medical situations and to develop further all four language skills (listening, speaking, reading and writing) through the study of vocabulary, dialogues, readings and grammatical exercises pertaining to health-related professions. P. SPN 112 or SPN 113 or equivalent.

**SPN 225. Intermediate Spanish. 3 credits.** This course is designed to help students make the transition to natural communication and develop the language-learning process by focusing on the expansion of necessary elements for development of the practical language skills (listening, speaking, reading, and writing) by using cultural and literary readings as well as grammatical exercises. It also provides a broader awareness of and appreciation for the cultures of the countries where Spanish is spoken. P. SPN 112 or equivalent.

**SPN 311. Learning Spanish in Cultural Contexts. 3 credits. FA, SP (Magis: Foreign Language)**

This course will explore various aspects of the Spanish-speaking world through a variety of literary and cultural contexts. Additionally, students will develop refined accurate communication in Spanish in order to identify and evaluate human experience through literary and cultural texts. Satisfies Magis: Foreign Language. P. SPN 225, Placement, or IC.

**SPN 312. Advanced Spanish Grammar. 3 credits. FA, SP** A comprehensive review and refinement of grammatical structures in written and oral communication in Spanish. Prerequisite: SPN 225, placement, or IC.

**SPN 313. Advanced Spanish Conversation. 3 credits.** Development of oral communication skills through extensive vocabulary building and its practical application. P. SPN 225.

**SPN 314. Communicating In Business I. 3 credits.** Oral and written practice in business communication, developing a business vocabulary, reading of documents and essays relating to business situations, interviewing and translating (English to Spanish/ Spanish to English). P. SPN 225.

**SPN 315. Cada loco con su tema": Reading Hispanic Diversity. 3 credits. (Magis Core: Literature)**

This course will explore various aspects of the Spanish-speaking world through a variety of literary and cultural contexts. Additionally, students will develop refined accurate communication in Spanish in order to identify and evaluate human experience through literary and cultural texts. Satisfies Magis Core: Literature. P. Critical Issues in Human Inquiry, SPN 225, Placement, or IC.

**SPN 316. Spanish Immersion I. 3 credits. SU** This course is designed to offer additional in-depth study of language and culture to intermediate Spanish students while focusing on the four language skills. It will also address verb forms, agreement and the subjunctive and indicative moods. This course may count toward the major or minor in Spanish. P. SPN 225.

**SPN 317. Spanish Immersion II. 3 credits. SU** This course covers essential grammar concepts which enable more advanced students of Spanish to improve their overall proficiency. It also reviews previous grammar concepts with special attention to written communication. This course may count toward the Spanish minor or major. P. SPN 225.

**SPN 318. Spanish Immersion in the Dominican Republic. 3 credits.** This course offers an intensive learning experience that focuses on language learning through conversations and immersion in the daily life of a Dominican host family. This course complements the knowledge gained during the students' regular Encuentro Spanish class, allowing them to apply this knowledge in their interactions during the immersions. P. IC.

**SPN 322. Introduction to Hispanic Linguistics. 3 credits.** This course is an introduction to the main concepts and methods of analysis of linguistics, focusing on Spanish. Students will acquire knowledge of various areas of Spanish linguistics including phonetics and phonology, morphology, syntax, semantics, language variation and changes from diachronic as well as synchronic perspectives. P. SPN 311, SPN 312, or IC.

**SPN 330. Cuba and the U.S.: Revolution and Restitution. 3 credits.** This course will introduce students to the developments that define Cuba-US relations, placing a strong emphasis on the historical and literary importance of the early independence movements of the 19th century, the growing Cuba-US relations during the early 20th century, the consequences of the Socialist revolution, and the deterioration of the relationship between the two countries that culminated with the US embargo. P. SPN 225.

**SPN 331. Medical Spanish I. 3 credits. FA** This course is designed for students who may be planning a career in medicine, dentistry, nursing, and pharmacy and allied health but open to all. It is designed for students who have had prior study of Spanish and who wish to improve their communication - oral and written - skills when dealing with Spanish-speaking persons in a medical context. P. SPN 225.

**SPN 335. Spanish Conversation. 1 credit. OD** Course designed to improve oral and comprehensive skills through face-to-face and online discussions, interviews and oral presentations. Focus will be placed on each of the Spanish-speaking countries, the specific topics being determined mainly by current events. Authentic cultural materials such as newspapers, films, radio and television programs will be examined. Course may be repeated for a maximum of three credits. P. SPN 225.



**SPN 340. Special Topics in Hispanic Cultures. 3 credits.**

This course is designed to develop the language skills and to promote a more sophisticated level of proficiency in oral and written communication in Spanish through grammar review, composition and selected readings based on a specific cultural or literary topic designed and chosen by the instructor of the course. This course may be repeated once if topic is different. P. SPN 225 or equivalent.

**SPN 350. Spanish for Heritage Speaker. 3 credits.**

This course has been designed for undergraduate students who learned Spanish at home or in their communities. It is a review of reading and writing materials designed to satisfy the needs of bilingual students who grew up hearing Spanish at home in the context of the United States. The goals of this course are: 1) development of academic reading and writing skills in Spanish, 2) expansion of bilingual range, 3) exposure to academic registers in Spanish, 4) transfer of literacy skills, and 5) development of awareness and appreciation for all varieties of Spanish. P. SPN 225 or IC.

**SPN 401. Advanced Spanish Composition. 3 credits. FA**

An intense conversation and composition course designed to refine oral production and comprehension in Spanish, while developing advanced reading and writing skills in the target language. P. Six credits at the 300-level.

**SPN 402. Introduction to Translation. 3 credits.**

This course focuses on the improvement of the Spanish language through translation. While studying basic translation theories and translating short texts the students will review the most important and complex structures of the Spanish language. P. SPN 225.

**SPN 405. Spanish Phonetics. 3 credits.**

This course will introduce students to Spanish phonetics, which is the linguistic study of how speakers of Spanish produce sounds to form spoken language. Students will apply this knowledge to actively improving their own pronunciation in Spanish from the beginning to the end of the course. Students will also be introduced to the phonetic panorama of the Spanish language spoken in different parts of the world. This course will be taught in Spanish. Prereq: Oral Communication; Six SPN credits at the 300-level.

**SPN 415. Social Stratification in the Dominican Republic. 3 credits. (Same as SOC 415, ANT 415)**

In this course we will study the nature, causes, and consequences of social inequality and stratification in the Dominican Republic, with particular attention directed to the interaction among class, race and ethnicity, and gender. P. Soph. stdg. and one course from Understanding Social Science.

**SPN 420. Cultures of the Spanish-Speaking Caribbean. 3 credits.**

This course seeks to equip students with an in-depth understanding of core aspects of the cultures found in the Spanish-speaking Caribbean Culture, focusing primarily on the Dominican Republic. Through different materials, topic discussions may include: gender roles, race/ethnicity, social problems, etc. Taught in Spanish, part of the Encuentro Dominicano. P. Six credits at the 300-level in Spanish.

**SPN 421. Civilization and Culture of Spain. 3 credits. FA**

The history and culture of Spain from its origins to the present. P. Six credits at the 300-level.

**SPN 422. Latin-American Culture and Civilization. 3 credits. SP**

A study of the Latin-American culture from Pre-Columbian times to the present, through its history, art, architecture, music, philosophy and education. P. Six credits at the 300-level.

**SPN 423. Encuentro Hispano I. 3 credits. SU**

An exploration of Latin American culture through in-country learning excursions that may include: city tours, visits to museums, theatre, cinema, and visits to socio-cultural ethnic sites in one or more countries of Latin America. This course may count toward the Spanish minor or major. P. Six credits at the 300-level.

**SPN 424. Encuentro Espanol I. 3 credits. SU**

Exploration of Spanish culture through city tours, visits to museums, concerts, theater, and cinema, on-site in Spain. This course may count toward the Spanish major or minor. P. Six credits at the 300-level.

**SPN 425. Introduction to Literary Analysis. 3 credits. FA, SP**

An introduction to literary analysis with readings from Spanish and Latin-American literature. P. Oral Communication course, Contemporary Composition course; Three credits in SPN at the 400-level or IC.

**SPN 426. Survey of Latin-American Literature. 3 credits. FA**

Latin-American literature is studied from the Colonial Period to the present, incorporating some of the most influential writers in Spanish America and giving women authors the representation they merit. Readings include texts from Cristobal Colon, Sor Juana Ines de la Cruz, Esteban Echeverria, Ruben Dario, Gabriela Mistral, Octavio Paz, Garcia Marquez, Rosario Ferre, Jorge Luis Borges and Luisa Valenzuela. P. Six credits at the 401-425 level.

**SPN 427. Survey of Peninsular Literature. 3 credits. SP**

Through the reading of selections from Spain's major literary works, this course introduces some of the most important issues in Peninsular social history and analyzes the different perspectives that have evolved with every new literary movement. P. Six credits at the 401-425 level.

**SPN 430. Communicating in Business II. 3 credits.**

Oral and written practice in business communication, developing a business vocabulary, reading of documents and essays relating to business situations, interviewing and translating. P. Six credits at the 401-425 level.

**SPN 431. Medical Spanish II. 3 credits. SP**

This course is designed for students who may be planning a career in medicine, dentistry, nursing, and pharmacy and allied health but open to all. The course focuses on issues surrounding immigrant health in the U.S. It is intended for students who have had prior study of Spanish and who wish to improve their understanding of these issues when dealing with Spanish-speaking persons in a medical context. P. Six credits at the 401-425 level.

**SPN 440. Eighteenth and Nineteenth Century Spanish Literature. 3 credits.**

This course provides a dynamic vision of Spanish literature through short narratives, poetry, and drama produced during the 18th and 19th centuries. It will cover the main literary movements of Neoclassicism, Romanticism, Realism, and Naturalism. Students will read a selection of works from authors most representative of those periods. P. Six credits of SPN at the 401-425 level.

**SPN 443. Don Quixote. 3 credits.**

This course will be a close reading of Cervantes' masterpiece Don Quixote, often referred to as the first modern novel, and second most published and read book after the Bible. Students will learn to recognize the different literary genres involved in the making of Don Quixote as well as to contextualize the work within Golden Age Spain. P. Six credits of SPN at 401-425 level.

**SPN 447. Nineteenth Century Spanish Novel. 3 credits.**

This course explores the last three decades of 19th Century in Spain where the novel becomes a new approach to observe social domains. It will be concentrated on the work of five major authors: Juan Valera, Benito Perez Leopold Alas (Clarín), Emilia Pardo Bazan and Vicente Blasco Ibañez. P. Six credits of SPN at the 401-425 level.

**SPN 451. Latin-American Novel. 3 credits.**

An introduction to the Latin-American novel, literary movements and techniques focusing on major writers such as García Márquez, Vargas Llosa, Luisa Valenzuela, Isabel Allende, and others. P. Six credits at the 401-425 level.

**SPN 452. The Latin-American Short Story. 3 credits.**

Study of the Latin-American short narrative from the 19th century to the present. Selected stories by Echeverría, García Márquez, Rosario Ferré, Elena Poniatowska, Julio Cortázar, Jorge Luis Borges, and others. P. Six credits of SPN at the 401-425 level.

**SPN 454. Twentieth-Century Latin-American Poetry. 3 credits.**

A study of Latin-American poetry from the Vanguardista period to the contemporary scene. P. Six credits of SPN at the 401-425 level.

**SPN 455. Twentieth-Century Latin American Theatre. 3 credits.**

A study of Latin-American theater from the end of the 19th century to the present. P. Six credits of SPN at the 401-425 level.

**SPN 459. Contemporary Peninsular Spanish Literature. 3 credits.**

This course will give students the opportunity to approach Contemporary Peninsular Spanish Literature through a close reading of key works in narrative, poetry and theater. It will cover the era of the transition from the Francoist regime to today's multiregional democracy (1950-2000). Students will read a selection of works from authors most representative of this time period. P. Six credits of SPN at the 401-425 level.

**SPN 460. Contemporary Latino(a) Literature. 3 credits.**

Analysis of works by contemporary authors of Hispanic descent born or residing in the United States. It will include, but will not be limited to, the following authors: Richard Rodríguez, Julia Álvarez, Cristina García, Sandra Cisneros, Roberto Fernández, Sandra Benítez and Esmeralda Santiago. P. Six credits of SPN at the 401-425 level.

**SPN 463. Feminine Voices from Latin America and Spain. 3 credits.**

This course focuses on the writings by some of the most representative female writers from Latin-America and Spain. Particular attention will be paid to women's roles in society and to the specific themes chosen and their social political significance. P. Six credits of SPN at the 401-425 level.

**SPN 464. History of the Spanish Language. 3 credits.**

This course will present the development of the Spanish language, using linguistic methodology and representative texts. P. SPN 312.

**SPN 466. History of the Romance Languages. 3 credits. (Same as FRN 466, ITA 466)**

The development of the Romance Languages from the earliest to the modern times; the introduction to general linguistic principles; the presentation of the substrata, the Latin base and the superstrata of the Romance languages from the earliest to modern times. P. SPN 225 or ITA 225 or FRN 225, or IC.

**SPN 468. Multicultural Spain Through Letters, Politics, Theater And Film. 3 credits.**

This course offers in-depth examination of the cultural plurality of Spain. Through a variety of texts including short stories, plays, essays, poetry, music, and film, students will explore how different art forms contribute to the concept of national identity. The focus will be on 20th century works. P. Six credits of SPN at the 401-425 level.

**SPN 470. Contemporary Peninsular Film. 3 credits.**

This course focuses on the analysis of cinematographic production in Spain in the post-Franco era. The Nuevo Cine Español echoes the cultural and artistic preoccupations of the transition years. Students will view and discuss seven significant films by key directors such as Julio Medem, Pedro Almodóvar, Bigas Luna and Alejandro Amenábar. P. Six credits of SPN at the 401-425 level.

**SPN 471. Latin American Film. 3 credits.**

This course offers a panoramic view of contemporary films from and about the Latino/a world. Through the viewing of movies and the reading of contextual and theoretical information students will explore how film can be considered a legitimate art form that contributes to an ongoing cultural dialogue. P. Six credits of SPN at the 401-425 level.

**SPN 475. Medieval and modern Religious Pilgrimage: Walking Spain's Camino de Santiago. 3 credits.**

This course, taught in English, examines the history, culture, and literature of Spain and will focus on the concept of religious pilgrimage from interdisciplinary perspectives. Students will take a journey with personal and spiritual dimensions by walking the Way of Saint James to Santiago de Compostela. P. Senior standing, or IC, One Critical Issues in Human Inquiry course.

**SPN 493. Directed Independent Readings. 1-3 credits.**

Designed to meet the special needs of majors in Spanish. Limit of three semester hours. P. Six credits at the 401-425 level.

**SPN 495. Hispanic Seminar. 3 credits. FA, SP**

This seminar integrates and draws upon the knowledge acquired within the major. All language skills are refined, as depth and nuances are added to the understanding of Hispanic Literatures and cultures. Repeatable up to 6 credit hours. P. Six credits of SPN at the 401-425 level.

**SPN 496. Independent Study in the Dominican Republic. 3 credits. SU**

This course offers the students the opportunity to work with faculty guidance on a topic or topics chosen in consultation between the faculty member and the student. This course is limited to students studying in the Dominican Republic. Limit of three semester hours. P. Six credits at the 401-425 level.

**SPN 497. Directed Independent Research in Spanish and Hispanic Studies. 0-3 credits.**

This course offers the students the opportunity to work with faculty guidance on a topic related to Spanish and Hispanic Studies chosen in consultation between the faculty member and the student. P. Instructor Consent only. Repeatable up to 3 hours.

**SPN 499. Spanish and Hispanic Studies Minor Degree Portfolio. 0 credits.**

This course is a degree requirement designed for students to upload final portfolios to complete the Spanish and Hispanic Studies Minor. Students will demonstrate a developmental knowledge of Spanish needed for a working level of communication in speaking, listening, reading, and writing in addition to demonstrating cultural knowledge. P. SPN 225.

**SPN 502. Advanced Spanish Translation. 3 credits. SP**

Focused on the translation of short texts: literature, media, technical, medial or diplomatic, contemporary situations. Through intensive study of techniques behind the exercise of translation, students will learn how to recognize and adapt the socio-linguistic parameters of Spanish and English to the context and the needs of the translation. P. One Magis Core Ethics course; Six SPN credits at the 400-425 level.

**SPN 525. Encuentro Espanol II. 3 credits. SU**

An exploration of Spanish culture through city tours, visits to museums, theatre, cinema, concerts, on-site in Madrid, and/or other locals in Spain. P. Six credits at the 401-425 level.

**SPN 528. Encuentro Hispano II. 3 credits. SU**

An in-depth exploration of Latin American culture through in-country learning that allows for study and analysis of society. These hands-on studies vary and may include visits to socio-cultural ethnic sites, literature, and film in one or more countries of Latin America. This course will be taught in Spanish. P. Six credits at the 401-425 level.

**SPN 568. Multicultural Spain Through Letters, Politics, Theater And Film. 3 credits.**

This course offers in-depth examination of the cultural plurality of Spain. Through a variety of texts including short stories, plays, essays, poetry, music, and film, students will explore how different art forms contribute to the concept of national identity. The focus will be on 20th century works. P. Six credits at the 401-425 level.

**SPN 595. Directed Independent Readings. 1-3 credits.**

Designed to meet the special needs of majors in Spanish. Limit of three semester hours. P. Six credits at the 401-425 level.

**SPN 598. Spanish and Hispanic Studies Major Degree Portfolio. 0 credits.**

This course is a degree requirement designed for students to upload final portfolios to complete the Spanish and Hispanic Studies Major. Students will demonstrate an advanced knowledge of Spanish needed for a proficient level of communication in speaking, listening, reading and writing in addition to demonstrating cultural knowledge. P. SPN 225.

**STA 355. Essentials of Epidemiology. 3 credits. (Same as HAP 355, MTH 355)**

This course introduces the concepts and includes exercises related to epidemiology, the discipline that serves as the basic science of public health, or population health, by providing evidence for defining the public health problem, assessing causation, and evaluating effectiveness of potential interventions.

**STA 361. Probability and Statistics in the Health Sciences. 3 credits.**

This course covers topics in probability and statistics considered useful to those students planning on a career in the health sciences. The topics covered include probability principles and distributions in health sciences, types of epidemiologic study designs, estimation of medical parameters in defined patient populations, test of hypothesis, measures and analysis of treatment of the sick, analysis of variance, methods of medical outcome prediction, and prospective, retrospective and cross-sectional studies of disease occurrence. Prereq: Mathematical Reasoning course; MTH 141, MTH 201, MTH 205, MTH 245 or MTH 249.

**STA 493. Directed Independent Readings. 1-3 credits.**

May be repeated to a limit of six hours.

**STA 495. Directed Independent Study. 1-3 credits.**

May be repeated to a limit of six hours.

**STA 497. Directed Independent Research. 1-6 credits.**

May be repeated to a limit of six hours.

**STA 499. Senior Thesis: Supervised Consulting. 1-3 credits.**

May be repeated to a limit of six hours. P. DC.

**STA 521. Computational Methods In Statistics. 3 credits. OD**

Use of packages of statistical programs, calculation of statistical tables. Monte Carlo methods. P. A course in statistics; CSC 221.

**STA 525. Nonparametric Methods. 3 credits. OD**

Applications of nonparametric estimates, confidence, intervals, tests, and multiple comparison procedures. P. A course in statistics.

**STA 527. Sample Surveys. 3 credits. OD**

Simple, systematic, stratified, and cluster random sampling; proportions; ratios; selection of sample size. P. A course in statistics.

**STA 561. Mathematical Statistics I. 3 credits. FA (Same as MTH 561)**

Introduction to probability and probability distributions including techniques for finding expected values and variance of discrete and continuous variables. These distributions and their properties are examined to establish their application to applied statistical methods. P. MTH 246 or MTH 249.

**STA 562. Mathematical Statistics II. 3 credits. SP (Same as MTH 562)**

Using probability distributions as a foundation and random sampling, methods for estimating distribution parameters are developed with applications to hypothesis testing. The course also includes an introduction to linear models, regression analysis, analysis of variance and design of experiments. P. STA 561.

**STA 563. Mathematical Statistics III. 3 credits. OD (Same as MTH 563)**

Optimal decision procedures, further normal distribution theory, noncentral chi-square and F distributions, introduction to the theoretical basis for analysis of variance, nonparametric methods. P. STA 562.

**STA 567. Linear Statistical Models. 3 credits. OD**

Least squares method; general linear hypothesis; multiple correlation and regression; analysis of covariance. P. STA 561; MTH 350.

**STA 569. Analysis Of Variance And Design Of Experiments. 3 credits. OD**

One- and two-way classifications; blocking; nesting; multiple comparisons; incomplete designs; variance components; factorial experiments; confounding. P. STA 561.

**STA 571. Operations Research. 3 credits. OD (Same as MTH 571)**

Introductory course in operations research. Linear models and solutions using the simplex method, duality theory and sensitivity analysis. P. MTH 350.

**STA 573. Probabilistic Models. 3 credits. OD**

Queueing theory, inventory theory, Markov processes, simulation, and nonlinear programming. P. STA 561.

**STA 575. Introductory Stochastic Processes. 3 credits. OD**

Random walk, normal processes and covariance stationary processes, counting processes and Poisson processes, renewal counting processes, discrete and continuous parameter Markov chains. P. STA 561.

**STA 577. Applied Multivariate Analysis. 3 credits. OD**

Inference about mean vectors and covariance matrices, canonical correlation, principal components, discriminant analysis, cluster analysis, computer techniques. P. STA 563, STA 567.

**STA 579. Applied Time Series Analysis. 3 credits. OD**

Forecasting; Box-Jenkins models; time series; regression; exponential smoothing; transfer function models; auto covariance functions. P. STA 561.

**SUS 000. SUS Transfer Credit. 1-21 credits.****SUS 400. Sustainable Practice: The Examined Life. 3 credits.**

This is a course about living sustainably. This course holds as a guiding thesis that humans have become dangerously disconnected from the life forces that sustain them. The primary goal of this course is to help students become more aware of this connection and to adjust the way they live accordingly. P. Critical Issues in Human Inquiry course; Oral Communication course; Senior standing.

**SUS 491. Senior Seminar. 1 credit. FA, SP (Same as EXS 491)**

This course is the capstone course required for all Environmental Science and Sustainability majors. Each student will design and deliver a professional presentation on an environmental topic agreed upon by the student and faculty seminar coordinator(s). If time allows, seminars may also be given by invited, outside speakers. The course provides an opportunity for students to interact with natural and social scientists as well as others engaged in environmental research, policy, and practice. Students will learn about the fields of interest of peers and hear from others working in environment-related fields. P. Oral Communication.

**SWK 170. Exploring Vulnerability and Resilience within Communities. 3 credits.**

How do people become vulnerable or build resiliency? Is social welfare a private issue or a public concern? Consider the range of communities and what makes them more/less vulnerable or resilient. Explore the intersecting aspects of social conditions and how individuals and families make decisions from available options. Students will strengthen advocacy skills related to social justice. Satisfies Magis Core: Critical Issues in Human Inquiry. CO: COM 101.

**SWK 201. Introduction to Social Work and Advocacy Skills. 3 credits.**

Explore social work as a major option and learn advocacy skills that connect with career paths focused on social justice. Students will learn how to engage in generalist practice with foundational concepts including advocacy, empowerment, systems thinking, strength's-based perspective, and self-determination; exploring how they can work with people and populations commonly served in the community. Students will apply professional code of ethics and consider history of the profession from an evaluative perspective. Students will explore the social work major as an entry point to a social work career as well as other helping professions. Class includes community-based learning. Satisfies Magis Core: Understanding Social Science.

**SWK 261. Social Welfare Needs of Vulnerable Populations: Exploring Helping Role from Social Work Perspective. 3 credits. FA, SP, SU**

How do people become vulnerable? Is social welfare a private issue or a public concern? How are the needs of the vulnerable identified and addressed? This course identifies several social welfare issues such as poverty, homelessness, family neglect and abuse, mental health, health care and criminal justice. All of these areas are inherently complex revealing issues of social justice. Through study of research, exploration of cultural, personal and religious values this course examines how Social Work, like many disciplines works to assist, amend or alleviate the vulnerability of individuals, families and communities. CO: COM 101.

**SWK 275. Working with Infants through Adolescents - Human Behavior and the Social Environment 1. 3 credits. FA**

Human behavior and the social environment (HBSE) is a foundational concept in social work and often used in other helping professions. HBSE provides the helping professional a lens to view individuals and families, recognizing that 'behavior is communication' and all behavior is influenced by the surrounding environment. This concept provides a system's perspective when working with individuals and families, providing multiple points of assessment, understanding, intervention, and evaluation. This course focuses on life-span development, focusing on pre-natal through adolescence, including biological, psychological, sociological, spiritual, and cultural theoretical/developmental perspectives. It is a cross-disciplinary, intersectional approach to understanding human behavior. Satisfies Magis Core: Understanding Social Science.

**SWK 276. Working with Adults through the Lifespan - Human Behavior and the Social Environment 2. 3 credits. SP**

Human behavior and the social environment (HBSE) is a foundational concept in social work and often used in other helping professions. HBSE provides the helping professional a lens to view individuals and families, recognizing that 'behavior is communication' and all behavior is influenced by the surrounding environment. This concept provides a system's perspective when working with individuals and families, providing multiple points of assessment, understanding, intervention, and evaluation. This course focuses on life-span development, focusing on young through late adulthood and end of life; including biological, psychological, sociological, spiritual, and cultural theoretical/developmental perspectives. It is a cross-disciplinary intersectional approach to understanding human behavior. Satisfies Magis Core: Understanding Social Science.

**SWK 289. Self-Care for the Helping Professions. 1 credit. FA, SP (Same CRJ 289)**

This course provides students the opportunity to practice the Ignatian value of cura personalis by caring for the whole person. As an integrative, multi-modal approach that borrows from several theories and practices such as the spiritual exercises, yoga, breath-work, compassion fatigue and stress- management the students will explore the relationship between the mind and body to strengthen the emotional spirit. Self-care is an important practice management tool and as such students will develop self-care strategies to use while in the practice setting to enhance professional resilience. This course may be repeated once. This course is offered Satisfactory/Unsatisfactory only.

**SWK 298. Economics, Policy and Social Welfare. 3 credits. SP**

Students examine social policies impacting individuals, families, groups, organizations, and communities. Students develop skill in policy analysis and advocacy at the local, state, federal and global levels. Civic engagement grounded in human rights are evaluated as core concepts. Students will develop skill in anti-racist, anti-oppressive policy analysis considering their historical context.

**SWK 318. Applied Research: Assessment and Evaluation. 3 credits. FA, SP (Same as ANT/CRJ/HAP 318)**

This course familiarizes students with foundational research methods for needs assessment and program evaluation commonly used in the social sciences. Satisfies Magis Core: Doing Science Science; Magis Designated Oral Communication, Designated Technology, Designated Statistical Reasoning P. Critical Issues in Human Inquiry (or HRS 100 or HRS 101), Oral Communication, Understanding Social Science, Mathematical Reasoning.

**SWK 345. Practice I: Social Work with Individuals and Families. 3 credits. FA**

Students develop skills to advance client/system well-being at the micro level, working with individuals and families. The course navigates the social work process (engagement, assessment, planning/goal setting, intervention, evaluation) integrating methods based on professional competencies. Emphasis on person-and-family-in-environment perspectives and eco-systems theory guide direct practice grounded in ethical guidelines and cultural humility. P. SWK 201 or SWK 275 or SWK 276; SWK major. CO: SWK 346.



**SWK 346. Social Work Pre-Practicum 1. 1 credit. FA**

Taken concurrently with SWK 345 Practice I: Social Work with Individuals and Families, students will immerse in community-based learning at a local social service agency. Students will complete 20 hours in the community with faculty-coordinated activities, connecting with social work competencies. Students will also complete on-campus social work learning lab integrating community-based learning with social work concepts and theories. P. SWK 201 or SWK 276 or SWK 275 or instructor permission; CO: SWK 345; Social Work major.

**SWK 347. Social Work Pre-Practicum 2. 1 credit. SP**

Students will engage in pre-practicum lab to advance skills for senior field practicum. Focus will be on professional socialization connected with social work competencies and career. Students will explore options for senior field experience, future career advancement, and post-graduation planning. Students will complete activities leading to agency placement for senior field practicum and professional advising for career planning connected with major, BSW degree, professional organizations/standards, and related certification/licensure requirements. P. Social Work major; SWK 345.

**SWK 359. Practice 2: Social Work with Groups. 3 credits. SP**

Prepares students to advance group system well-being at the mezzo level. Develops skills applying the social work process (engagement, assessment, planning/goal-setting, intervention, evaluation) with groups, connecting directly with social work competencies. Students will develop effective group dynamic skills related to cultural humility, anti-racist, and anti-oppressive methods at the mezzo level. P. SWK 345.

**SWK 371. Social Work Issues. 1-3 credits. OD**

Social work issues are examined in terms of both their historical development and their implications for current social work practice. Topics vary from semester to semester. Students may repeat course for credit up to 3 times with program director approval.

**SWK 375. Working With the Elderly. 3 credits. OD**

Presentation of information concerning the theory and practice of social services to the aged. Study of both institutional and community settings.

**SWK 376. Family Dynamics. 3 credits. ENY (Same as CRJ 376)**

This course will explore families through the lens of family stress theory, identifying interpersonal dynamics as well as adjustments in times of crisis. Course content will also include impacts of violence in family systems across the life span, including child abuse/neglect, interpersonal violence, elder abuse, and community violence.

**SWK 377. Grief, Loss & Bereavement. 3 credits. ENY**

Grief and loss are universal human experiences, yet helping professionals are often ill-equipped to support those they serve effectively through these times. This course explores issues related to death, grief, and loss throughout the lifespan to increase students' understanding, skill, and comfort in future practice. Theories and interventions are explored through developmental and cross-cultural perspectives. P. Sophomore standing.

**SWK 389. Addictions: Substances, Processes and People. 3 credits.**

Selected addiction theories and treatments are reviewed including substance addiction (alcohol, drugs), process addiction (gambling, sex, food, internet), and relationship addictions. Students examine the role of social workers, other professionals and friends in recognizing and managing addictive behaviors, and explore their own beliefs and values using a systems perspective.

**SWK 399. Trauma Care for the Whole Person. 3 credits. ONY (Same as ANT 399, SOC 399, CRJ 399)**

It is essential for social workers and helping professionals to be reflective practitioners and know how to effectively care for others as well as themselves. Students will explore the distinctions of trauma including: physical, psychological, social, historical, ongoing, and vicarious trauma. This course is designed to examine the impact of trauma on the mind, body and spirit. Trauma care is not only for the individuals, families and/or communities with whom they work but also to develop resiliency in the mind, body and spirit of the helping professionals. P. Sophomore standing.

**SWK 435. Practice III: Social Work with Organizations and Communities. 3 credits. FA (Magis: Intersections, Designated Ethics)**

Prepares students to advance client/system well-being at the macro level. Students will apply concepts and principles of advocacy for social, economic, and environmental justice with marginalized and disenfranchised populations at the organization and community levels. Emphasis is on constructing and using ethical and professional social work frames of reference for social work practice and strengthening skills from an anti-racist, anti-oppressive perspective. Satisfies Magis Core: Intersections; Magis Designation: Ethics; P. SWK 345, SWK 346, Magis Core Critical Issues in Human Inquiry, Magis Core Ethics course, SWK major.

**SWK 440. Social Work Leadership Grounded in Anti-Racist, Anti-Oppressive Practice. 3 credits.**

This class prepares undergraduate social work practitioners for self-assessment, reflection, and advocacy to lead using anti-racist and anti-oppressive practices. Focus is on student professional development as well as leadership roles that understand intersectionality, reckons with the field's own historical practices and policies, and its role in alleviating oppression and discrimination. P. SWK 435; SWK major.

**SWK 460. Field Practicum Seminar I. 2 credits. FA**

Seminar designed to integrate theories and skills learned in the classroom with their application in field experience. P. SWK 345; SWK 346; CO: SWK 461; SWK major.

**SWK 461. Field Practicum 1. 4-5 credits. FA**

Students are placed in community agencies delivering social welfare services for practical application of the theory and skills acquired in the classroom. On-site supervision provided by the agency and group supervision provided on campus. This course includes 220 hours community based field practicum experience. Students need to have access to reliable transportation. P. SWK 345; CO: SWK 460, SWK Major.

**SWK 480. Field Practicum Seminar II. 3 credits. SP**

Seminar designed to integrate theories and skills learned in the classroom with their application in 220 hour practicum field experience. Students complete a capstone project and presentation demonstrating mastery of the social work process. Satisfies Magis Designated Oral Communication and Written Communication course. P. Magis Core Contemporary Composition course, Magis Core Critical Issues in Human Inquiry course, Magis Core Oral Communication course, SWK 460, SWK 461, Senior standing, SWK major. CO: SWK 481.

**SWK 481. Field Practicum 2. 4-5 credits. SP**

Students are placed in agencies delivering social welfare services for practical application of the theory acquired in the classroom. On-site supervision provided by the agency and group supervision provided on campus. This course includes 220 hours community based field practicum experience. Students need to have access to reliable transportation. P. SWK 460; CO: SWK 480; SWK Major.

**SWK 493. Directed Independent Readings. 1-6 credits. FA, SP, SU, W**  
Survey of literature related to a topic in social work not covered in student's course work. Undertaken in close cooperation with a supervising faculty member. May be repeated to a limit of six hours. P. Sr. stdg or Program Director approval; SWK Major.

**SWK 495. Directed Independent Study. 1-6 credits. FA, SP, SU, W**  
Student-initiated project on a focused topic in social work, utilizing library materials and involving close cooperation with a supervising faculty member. May be repeated to a limit of six hours. P. Sr. stdg. or Program Director approval; SWK Major.

**SWK 497. Directed Independent Research. 1-6 credits. FA, SP, SU, W**  
Student-initiated empirical project on a focused topic in social work, involving close coordination with a supervising faculty member. May be repeated to a limit of six hours. P. Sr. stdg.; SWK Major.

**THL 110. The Christian Tradition: Then and Now. 3 credits.**  
This course provides a basic introduction to the history, teachings, and practices of Christianity, and to theology as an academic discipline. Consideration of the origins and evolution of Christianity will prepare students to interpret the intellectual and the practical challenges it faces in a rapidly changing world.

**THL 112. The Christian Tradition: Global Visions. 3 credits.**  
This course will introduce students to the basic teachings, history and practices of Christianity and its global enculturation. Course topics will consider the local expression of Christianity in North America, Latin America, Asia and/or Africa.

**THL 114. The Christian Tradition: Exploring the Great Questions. 3 credits.**  
Christian doctrines emerged from addressing core questions: Who is God? Who is Jesus? What is the Church? What does it mean to be truly human? What is the human being's relationship to non-human nature? What constitutes salvation? What is the source of evil and sin? What is revelation? This course is organized around key questions and key themes as they have evolved over the course of the history of Christianity.

**THL 115. The Christian Tradition: In Women's Voices. 3 credits.**  
By studying Christianity in light of women's concerns and voices, this course reveals a dimension of Christian theology that transcends traditional categories. Utilizing historical, topical, and literary approaches, this course addresses contemporary theological concerns in light of the voices of women in the Christian past and present.

**THL 116. The Christian Tradition: Faith and Witness. 3 credits.**  
This course aims to introduce the Christian theological tradition from a Jesuit, Catholic view. It invites students to begin a journey of reflection on how the Christian community throughout history have thought and lived out the truth that God is love - a love that gives and attracts.

**THL 175. The Human Induced Climate Crisis: Origins and Solutions. 3 credits.**  
This course will analyze the cultural forces that allowed social, religious, and political discourse to diverge so widely from scientific discourse concerning the climate crisis. It will also reflect upon what kind of social, religious, psychological, and political transformation is necessary to avoid the worst effects of climate change. CO: COM 101.

**THL 176. Sport and Spirituality. 3 credits.**  
This course will focus on the intersection of sports, spirituality, religious faith practice, and social context. This course will clarify terminology for the interdisciplinary study of sport and religion and then critically examine examples of the intersection of sport and spirituality. The intent is to look at sports and athletic competition in light of their potential to point to, substitute for, undermine, or augment personal quests for communal religious meaning and faith/spiritual significance. CO: COM 101.

**THL 215. The Biblical Tradition: Ancestors and Heroes. 3 credits.**  
Introduction to the primary story of biblical Israel (Genesis – 2 Kings), and how to interpret the Bible critically within its literary, social, and historical contexts. Emphasis will be placed on interpreting the biblical stories through focusing on the social and literary role of the characters. P. One Magis Core The Christian Tradition course.

**THL 216. The Biblical Tradition: The Human Question. 3 credits.**  
Students will survey selected texts of the Older Testament, for the purpose of acquiring and developing skills in reading closely, interpreting critically, and writing effectively, with an eye toward exploring the question of what it means to be human from a biblical perspective. P. One course of The Christian Tradition (THL 110 - THL 116).

**THL 217. The Biblical Tradition: Social Justice in the Old Testament. 3 credits.**  
This course examines the themes of force, violence and social justice in the Old Testament and in selected New Testament texts, primarily reading the story of ancient Israel from its origins to the return from exile, along with prophetic comment on that story. Students will learn how to interpret the Bible analytically within its literary, social, and historical contexts. P. One Magis Core The Christian Tradition course.

**THL 230. The Biblical Tradition: Gender, Economy, and Violence. 3 credits.**  
Introduction to critical interpretation of the Bible, focusing on traditions in which gender, economics, or violence are prominent; includes consideration of implications for Christian theology and practice. P. One Magis Core The Christian Tradition course.

**THL 231. The Biblical Tradition: Perspectives on Suffering and Evil. 3 credits.**  
Introduction to critical interpretation of the Bible, with focus on traditions that address the experience of suffering and evil; includes reflection on applicability to individual and communal experiences of suffering and evil in today's world. P. The Christian Tradition.

**THL 235. The Biblical Tradition: Sickness and Healing. 3 credits.**  
Introduction to the Gospels and how to interpret them critically within their historical, social, and literary contexts. Critical interpretation of gospel traditions about sickness and healing will be a major focus. P. One course of The Christian Tradition (THL 110 - THL 116).

**THL 236. The Biblical Tradition: New Testament. 3 credits.**  
A survey of selected writings from the early Christian communities, understood in their cultural and literary contexts. P. One course of The Christian Tradition (THL 110 - THL 116).

**THL 237. The Biblical Tradition: Early Christian Community and Identity. 3 credits.**  
This course explores how the earliest followers of Jesus understood themselves and their communities by interpreting Biblical texts within their literary, social, and historical contexts. Emphasis will be placed on the Jewish and Greco-Roman contexts of the New Testament. P. One course of The Christian Tradition (THL 110 - THL 116).

**THL 238. The Biblical Tradition: The Johannine Literature. 3 credits.**

This course studies the portrait of Jesus and the good news provided by the early Christian community as preserved in the Gospel and Letters of John. Focus lays on interpreting the group's theology and their particular contribution to the development of Christianity through their literary, historical, and social contexts. P. One Magis Core The Christian Tradition course.

**THL 239. The Biblical Tradition: The Synoptic Gospels. 3 credits.**

This course studies the portrait of Jesus and the good news provided by the early Christian community as preserved in the Gospels of Matthew, Mark, and Luke, known as the Synoptic Gospels. Focus lays on interpreting the theology of the Gospels and their particular contributions to the development of Christianity through their literary, historical, and social contexts. P. One Magis Core The Christian Tradition course.

**THL 240. The Biblical Tradition: Messiah, Prophet, and Rabbi. 3 credits.**

This course explores the expectation of a messiah in the Second Temple Period, how the earliest followers of Jesus portrayed Jesus in the New Testament texts, and how modern scholars construct the life of Jesus from a historical perspective. Emphasis will be placed on the Jewish and Greco-Roman contexts of the New Testament. P. The Christian Tradition.

**THL 241. The Biblical Tradition: The Gospel in Service of Social Justice. 3 credits.**

This course introduces the service and social justice component of the Christian scriptures, focusing on the good news shared by and for the oppressed that cultivates a community living and working for the common good. The class will introduce the origin, development, and interpretation of the Bible, followed by a more systematic reflection upon the social gospel and its impact upon contemporary Christian faith and practice. P. The Christian Tradition course.

**THL 270. Theological Ethics: Applying Moral Principles. 3 credits.**

This introduction to fundamental ethical theories investigates Christian moral principles and how they apply to moral issues. It analyzes the role of religious faith, explores the individual and the common good and emphasizes ongoing moral development and critical thinking. P. One Magis Core Philosophical Ideas course.

**THL 271. Theological Ethics: Applying Moral Principles in the Marketplace. 3 credits.**

This course introduces major ethical theories, including utilitarianism, deontology, virtue ethics, and key approaches to social ethics, through a conversation with the range of concerns animating Christian moral reflection, and with special attention to issues arising in contemporary capitalism. P. Philosophical Ideas course.

**THL 272. Theological Ethics: Sexual and Gender Issues. 3 credits.**

This course investigates the nature and sources of moral obligation, moral virtue, justice, wisdom, and a good human life from a Christian theological perspective and applies this perspective to sexual and gender issues. P. Philosophical Ideas course.

**THL 273. Theological Ethics: Moral Perception and Moral Blindness. 3 credits.**

This introduction to fundamental ethical theories focuses upon ethical thought as the foundation for ethical action, and investigates the impact of religious faith, psychological awareness, and personal character upon the development of moral thinking. P. One Magis Core Philosophical Ideas course.

**THL 274. Theological Ethics: Social Action and Political Advocacy. 3 credits. ((Same as JPS 274))**

This course empowers students to advance justice by engaging moral theories and applying theological ethics to voting, advocacy, community organizing, and civil disobedience/nonviolent direct action. The course is academic service-learning and climate change is a particular focus. Satisfies Magis Core: Ethics. P. Philosophical Ideas course.

**THL 300. Ultimate Questions: Jesus Christ, Yesterday and Today. 3 credits.**

This course examines the historical Jesus, scriptural Christologies, and classical Christological teachings and their reception throughout Christian history. Contemporary integrations such as the "search for the historical Jesus," as well as liberation and feminist/womanist theologies will be explored. P. One Philosophical Ideas course (PHL 110 or PHL 111 or PHL 112 or PHL 113 or PHL 113); one course of The Christian Tradition (THL 110-116); one course of The Biblical Tradition (THL 230 - THL 241).

**THL 301. Divine Providence, Catholic Social Teaching, & the Problem of Climate Change. 3 credits.**

This course will deal with a number of questions as they are addressed primarily by the doctrine of providence: How can one reconcile the teaching that God is the source of all that is and guides nature and history to its divine end with an evolutionary world view? How can human beings change the climate if God is all powerful and the source of all that is? What is the relationship of God to creation? While the course takes up the question of providence in relationship to human and non-human agency, it also reflects on the human being and her freedom and social responsibility in light of the fact that human beings have become geological agents, destabilizing planetary systems (most especially the climate system) with effects that will play out on geological time scales of tens of thousands to possibly millions of years. P. One Magis core Philosophical Ideas course, One Magis Core The Christian Tradition course, One Magis Core The Biblical Tradition course.

**THL 302. Ultimate Questions: God and the Creation of Everything. 3 credits.**

In the beginning," we are told in Genesis 1:1, "God created the heavens and the earth," and from that one act of divine initiative unfolds everything that is. The Christian theological tradition refers to this act and its result as "creation." This class explores in detail the two-thousand-year history of Christian theological reflection on the creation. Special attention will be given to the ways in which Christian theologies of creation are currently being reshaped and advanced by scientific cosmology. Satisfies Magis Core: Ultimate Questions. P. Philosophical Ideas, The Christian Tradition, The Biblical Tradition.

**THL 303. Ignatian Spirituality and the Vocation to Healthcare. 3 credits.**

To name what one does as a vocation is to say that one responds to a call. The Spiritual Exercises of St. Ignatius are uniquely positioned to assist in this process of discernment for students at a Jesuit and Catholic University. Such a response ought to give one consolation, it should employ one's gifts, and it meets a need that exists in a given community. Such a response, if it is to be an answer to a call, incorporates all three aspects and therefore is a personal response with an intrinsic social dimension. This course will offer an opportunity for students at Creighton to discern whether or not they are called to the vocation of caring for others through medicine, dentistry, pharmacy physical and occupational therapy, counseling, nursing or paramedicine. Guest lecturers from many of these disciplines will be invited to speak to the following questions. What is a vocation? How does one discern such a reality? How is one's profession different if pursued as a call as opposed to a career? Satisfies Magis Core: Ultimate Questions; Designated Written Communication. P. Philosophical Ideas, The Christian Tradition, The Biblical Tradition, Contemporary Composition.

**THL 304. Ultimate Questions: Where Theology Meets Neuroscience. 3 credits. (Same as NES 304)**

This course explores the relationship between systematic theology and neuroscience. A necessary tension exists between theology and science which reveals the miraculous complexity of human nature and how persons flourish. Students will learn neuroscience concepts and apply them to systematic theology by asking ultimate questions and critically engaging interdisciplinary concepts. Satisfies Magis Core: Ultimate Questions. P. Philosophical Ideas, The Christian Tradition, The Biblical Tradition.

**THL 305. Ultimate Questions: Reconciliation. 3 credits.**

This course analyzes the concept and practice of reconciliation through a theological and social lens. Students will explore the multifaceted nature of reconciliation, including elements of forgiveness, justice, lament, and mediation. Students will also analyze global case studies in social reconciliation, including race relations in America. Students will be challenged to apply these concepts to their own local communities and contexts. Prereq: Philosophical Ideas; The Christian Tradition; The Biblical Tradition.

**THL 309. Ultimate Questions: African Christianity. 3 credits.**

This course offers an introduction to African Christian theology. Topics include African traditional religion and the history of Christianity in Africa; modern theological perspectives on God, Christology, liturgy & enculturation; and contemporary ecclesiological challenges (e.g., church and state, violence and reconciliation, poverty, patriarchy, and dialogue with Islam). Prereq: Magis Christian Tradition course, Magis Biblical Tradition course, Magis Philosophical Ideas.

**THL 312. The Spirituality and History of Ignatius of Loyola and the Society of Jesus. 3 credits.**

An examination of the Society of Jesus from its founding by Ignatius of Loyola during the pivotal 16th century, through suppression and recovery to the challenges of the modern post-Vatican II era, this course seeks to understand the Jesuits on two levels: through their controversial history, set within the context of their times and as represented by the lives of selected individuals; and through the development of their particular spirituality, Ignatian methods of prayer and discernment of spirits, as originated in the Spiritual Exercises and enhanced over time. Students will have the opportunity both to understand Jesuit history and to understand the theology of Ignatian spirituality for their own interior lives. Prereq: Philosophical Ideas; The Christian Tradition; The Biblical Tradition.

**THL 314. Ultimate Questions: Vatican II. 3 credits.**

Vatican II was the seminal event in the Catholic Church during the last 450 years. From how the Church understood itself (*Lumen gentium*) its mission to the world (*Gaudium et spes*) as well as the Bible (*Dei verbum*) and other religions (*Nostra aetate*) Vatican II represents a radical re-orientation for the Catholic Church. As such, it deserves careful study and understanding. P. Philosophical Ideas course; Christian Tradition course; Biblical Tradition course.

**THL 315. Ultimate Questions: Theology of Christian Marriage. 3 credits.**

This course covers the history of marriage in the Christian tradition, marriage as sacrament, and contemporary issues related to marriage. P. One Magis Core Philosophical Ideas course; One Magis Core The Christian Tradition course; One Magis Core The Biblical Tradition course; or 200-level Scripture course; Junior standing.

**THL 316. Ultimate Questions: A Theology of the Catholic Sacraments. 3 credits.**

For the Catholic Church, the sacraments manifest and communicate to humanity the mystery of a loving communion with God in Jesus Christ. This course explores how the divine life communicated in and through Jesus is made manifest in the sacraments, which transform persons into lovers of God and the world. The approach of study is a historical, systematic, and pastoral exploration of the sacraments of initiation (baptism, confirmation, and Eucharist) and the sacraments of reconciliation and marriage in Catholic practice. Prereq: Philosophical Ideas, The Christian Tradition, The Biblical Tradition.

**THL 327. Christianity and the Holocaust. 3 credits.**

Christianity has been grappling for sixty years with the enormity of the Holocaust. This course will investigate the history of Jewish-Christian relations, the New Testament foundations and the articulation of central Christian doctrines that encouraged Anti-Judaism, and the efforts being made by Christians to re-think identity and doctrine vis-à-vis Judaism.

**THL 338. Eucharist: Liturgical Theology and Practice. 3 credits.**

Study of the Eucharist from an ecumenical perspective. The course is intended for Catholic and Protestant, mainline and evangelical Christians seeking a critical, historical, and theological understanding of their eucharistic heritage. P. 200-level Scripture course; Jr. stdg.

**THL 349. Egyptian Art and Archaeology. 3 credits. OD (Same as ARH 349, CNE 349, HIS 349)**

This course surveys ancient Egypt from the prehistoric/predynastic periods beginning around 4,000 BCE through the incorporation of Egypt into the Ptolemaic then Roman Empires at the end of the first millennium BCE. You will learn about the changing historical and cultural contexts of Egyptian art and architecture, exploring topics such as the meaning and audience of Egyptian art, the relationship between writing and artistic representation, the art of death, and the connections between art, religion, kingship, and the Egyptian worldview. Along the way, you will also learn about the history of the field of Egyptology, the relationship of modern Egypt to ancient Egypt, and how "the west" has constructed, used, and abused a constructed "ancient Egypt." Satisfies Magis Core: Fine Arts.

**THL 350. Archaeology of Israel and Jordan. 3 credits. OD (Same as ARH 350, CNE 350, HIS 350)**

A chronological survey of the archaeology of Israel and Jordan, providing a material perspective on the history of society, economy, and religion of the people from the Neolithic period to the Byzantine Period.



**THL 351. Chinese Philosophy. 3 credits. OD (Same as PHL 351)**

Origin and development of Chinese philosophy. The basic doctrines and moral principles that the Chinese tradition holds. Different schools of Chinese philosophy, such as Confucianism, Daoism, and Moism. How Chinese philosophy has been practiced in daily life. The conflicts between Chinese tradition and modern China. P. Philosophical Ideas course.

**THL 353. Introduction to Buddhism. 3 credits. OD (Same as PHL 353)**

Origin and development of Buddhism's basic doctrines and beliefs. The different schools of Buddhist traditions, and the changes as Buddhism spread from India through China and Japan to the West. How Buddhist teachings are practiced in daily life. P. Philosophical Ideas course.

**THL 354. Introduction to Judaism. 3 credits. OD**

Development of Jewish faith, philosophy, institutions, and peoplehood. P. 200-level Scripture course; Jr. stdg.

**THL 359. Ultimate Questions in Living Religions of the World. 3 credits.**

This course looks at ultimate questions in the world's religions as practiced today. As a comparative introduction to living religions, it explores both the contours of the category "religion" and historical and contemporary expressions of "religion". Using an impartial approach, particular attention is paid to how different religions conceive of ultimate reality, goodness, the human person, social relationships, and the natural world. Prereq: Philosophical Ideas, The Christian Tradition, The Biblical Tradition.

**THL 380. Method and Theory in Theology. 3 credits.**

Intended primarily for theology majors and minors, this course trains students in reading, writing, research, and using critical theories (e.g., psychoanalytic, Marxist, new historical, feminist) in theology and religion. The content will be divided between skills-building (reading, writing, research) and exploring critical theories as they apply to theological studies. P. Christian Tradition; Mathematical Reasoning course. P or CO: Philosophical Ideas.

**THL 390. History of the Christian Church. 3 credits. SP**

Survey of the intellectual, ecclesiastical and political developments which shaped Christianity through two millennia. Exploration of complex relations among beliefs, institutions, and practices which constitute Christian history. P. 200-level Scripture course.

**THL 419. Bible, Spirituality, & American Public Life. 3 credits. (Same as AMS 419, JPS 419)**

Exploration of the biblical foundations of Christian spirituality, followed by critical examination of the implications for contemporary American life; includes attention to intersection of race, gender & economic realities. P. THL 110.

**THL 431. Jesus Christ: Liberator. 3 credits.**

Christology is the field of study within Christian theology primarily concerned with the nature and person of Jesus Christ as recorded in the Canonical gospels and the letters of the New Testament. Christology from the perspective of liberation asks concretely "what do we need to be liberated from in order to know and love Jesus Christ?" While "salvation" traditionally pertains to one's status in the next life, "liberation" pertains to both the present and the future. Of particular interest for this course will be the role of context and culture and how it influences belief. P. One Magis Core The Christian Tradition course; One Magis Core The Biblical Tradition course; One Critical Issues in Human Inquiry course; Senior standing.

**THL 443. Ecclesiology in Global Context. 3 credits. (Same as JPS 443)**

The Catholic Church as present within various countries around the world provides unique opportunities for understanding how local churches incorporated the call of the Second Vatican Council to read the signs of the times and interpret them in the light of the Gospel. Immersion learning allows contact experiences with people and different realities to teach and supplement academic material in the classroom. P. One Magis Core Critical Issues in Human Inquiry course and one 100-level THL course.

**THL 457. Biomedical Ethics: Philosophical and Theological Approaches. 3 credits. OD (Same as HAP 457, PHL 457)**

This course explores philosophical and theological ethical theories and analyzes and evaluates select issues in biomedicine and health care policy in light of those theories. Satisfies Magis Designated Ethics. P. Ethics course.

**THL 463. Social Justice in Selected Global Faith Traditions. 3 credits.**

Examines how global Catholic, Mainstream Protestant, Peace Church, Jewish and Muslim faith traditions inform their members in their approach to problems of social justice. Includes attention to how Ignatian charisms and values have informed efforts to enact social change. Students will critically engage a specific problem of social justice with which they have experiential contact, and will also reflect on how their own background contributes to their personal and professional development as global citizens who will be working as agents of social justice. P. One Magis Core Contemporary Composition course; one Magis Core Critical Issues in Human Inquiry course; one Magis Core The Christian Tradition course; one Magis Core The Biblical Tradition course; Sr. Stdg.

**THL 464. Social Justice in Islam and Muslim Experience. 3 credits.**

This course is an inherent integration and intersection of issues of social justice, ethics, diversity, and potential service, in Islam in particular and also in Muslim-Christian partnership. Students will critically engage a specific problem of social justice with which they have experiential contact, whether in Islam, or in the Muslim experience, or in Christian-Muslim relations. P. Critical Issues in Human Inquiry; Senior standing.

**THL 471. The Spiritual Exercises of St. Ignatius. 3 credits.**

This course offers both an academic and a practical, personal experience of the Spiritual Exercises of St. Ignatius Loyola. Students experience the process of the Spiritual Exercises and learn the major emphases of Ignatian spirituality. They reflect, individually and together, on the invitation and the impact of the Exercises upon their lives, including their invitation to work for justice. They experience various forms of prayer. Students write a series of short papers, some analyzing experiences in the Exercises; some reflecting on their experience of prayer, service, and work for justice; one analyzing the thinking of the Exercises by contrast with views from two contemporary academic fields; and one final integrating essay offering what students have learned from making the Exercises in the light of what they know of one culture and what they have learned in their major discipline. P. Critical Issues in Human Inquiry course; Permission of instructor; previous or contemporary experience of work related to service and social justice; Senior standing.

**THL 492. Senior Seminar. 3 credits. FA**

Study of a major theme in the Christian theological tradition. Each student will write and present a major research paper related to this theme. P. Sr. stdg; One Magis Core Oral Communication course; One Magis Core Contemporary Composition course. Open to Theology majors only.

**THL 493. Directed Independent Readings. 1-4 credits. OD**

May be repeated to a limit of six hours. P. DC.

**THL 495. Directed Independent Study. 1-4 credits. OD**

May be repeated to a limit of six hours. P. DC.

**THL 501. The Pentateuch. 3 credits. OD**

Origin and composition of the first five books of the Bible. Historical and theological traditions contributing to their formation. Emphasis on their unique theology and on the use of the books in the New Testament period.

**THL 503. The Prophetic Literature Of The Old Testament. 3 credits. OD**

The uniqueness of the prophetic movement. Background literary styles, relevance of the prophetic message.

**THL 504. The Wisdom Literature Of The Old Testament. 3 credits. OD**

Study of the patterns of Proverbs, Job, Ecclesiastes, some of the Psalms, compared with the wisdom literature of other ancient peoples.

**THL 505. History of Biblical Interpretation. 3 credits.**

A wide-ranging historical examination of the ways in which individuals and communities have understood and appropriated the texts of the Bible. Specific topics include theologies of Scripture, inner-biblical interpretation, early Jewish and Christian exegesis, medieval interpretation, and the study of the Bible during the Renaissance, Reformation(s), scientific revolution, and the modern period. P. 200-level Scripture course and Soph. stdg.

**THL 507. Jesus and the Gospels. 3 credits. OD**

A study of the theological vision of the text of this gospel, using all available methods and resources: redaction criticism, composition criticism, narrative criticism, etc.

**THL 514. Paul: His Life and Letters. 3 credits. OD**

This course studies the portrait of Paul and the good news provided by the early Christian community as preserved in the Letters of Paul as well as the Acts of Apostles of the New Testament. The course focuses on understanding who Paul is as well as interpreting his theology as it manifests through his letters in their specific historical, social, and literary contexts. The ultimate objective is to uncover Paul's particular contribution to both the early development of Christianity and contemporary social issues and challenges to authentic faith.

**THL 516. Apocalypse Then and Now. 3 credits. OD**

A contemporary scholarly interpretation of the book of Revelation with reference to contemporary apocalyptic.

**THL 518. Women and the Bible. 1-3 credits. OD (Same as CSP 680)**

Study of the representations of women in biblical narratives; attention to the construction of gender in the ancient world. Introduction to the various approaches contemporary women are taking to these biblical texts. P. Christian Tradition course, Biblical Tradition course.

**THL 523. Israelite Religions. 3 credits. (Same as CNE 523)**

This course will examine the manifold expressions of Israelite religions - biblical, archaeological, and epigraphic. Emphasis will be placed on the diversity of Israelite religions and the relationship of Israelite religions to the religions of her Near Eastern neighbors. P. Jr. stdg.

**THL 524. History of Ancient Israel. 3 credits. OD (Same as CNE 524, HIS 524)**

An examination and reconstruction of the history of ancient Israel from biblical and other ancient New Eastern literary texts, and from archaeological and epigraphic materials.

**THL 529. Translations of the Bible. 3 credits. (Same as CNE 529)**

Various ancient translations of the Bible and their significance.

**THL 530. Contemporary Catholic Theologians. 3 credits. OD**

Key themes in the thought of Rahner, Conger, De Lubac, Lonergan, and other contemporary Catholic theologians.

**THL 531. Studies in Early Christianity. 3 credits. FA, OD**

The emergence of early Christian theology through the writing of the theologians of the first 500 years of the Church's history. Attention to some of the following themes: the development of the doctrine of the Trinity, the emergence of Classical Christology, early Christian exegesis, the thought of St. Augustine. P. Christian Tradition course, Biblical Tradition course.

**THL 533. Ecclesiology: Contemporary Church Questions. 3 credits.**

Basic contemporary questions about the life of the church will be explored in the context of the Creed and traditional dogmatic theology. Particular emphasis on the church's transition into the third millennium.

**THL 534. Introduction to Liberation Theology. 3 credits. OD**

Liberation theology arose during the sixties and seventies in Latin America as a way of reflecting upon and acting out Christian faith from the perspective of those who directly experience a world of poverty, injustice and violence. Although particular to Latin America, the issues raised by liberation theology are relevant to Christianity in North America as well. P. Magis Biblical Tradition course or THL 200-level Scripture course.

**THL 535. Doctrinal Development: Christology & Trinitarian Theology. 3 credits. OD**

Development of the Christian community's understanding and teaching about the person and work of Jesus Christ and the Trinity.

**THL 536. The Mystery of God and the Suffering of Human Beings. 3 credits.**

This course will treat the problem of reconciling the Christian claim that God is love, as expressed in the doctrine of providence, with the reality of human suffering.

**THL 538. Seminar in Christian Anthropology. 3 credits. OD**

Study of Christian theological anthropology in eastern and western traditions. P. The Christian Tradition course or HRS 101.

**THL 540. Ecclesiology: The Documents of Vatican II. 3 credits. OD**

Basic contemporary questions about the life of the church will be explored through a careful study of Lumen Gentium and other selected documents from Vatican II. The Council's theology is examined in the context of the Creed and traditional dogmatic theology.

**THL 541. God is Green. 3 credits.**

This course explores Christian environmentalism in historical and contemporary context. Topics include the ancient church, the reformation, the impact of modern science, environmental ethics, Catholic magisterial teaching, and Christian environmental spirituality.

**THL 544. Christian Celebration: The Liturgical Year. 3 credits. OD**

Biblical origins and historical development of feast and season, e.g., Christmas and Easter. The theologies of the saints' days and celebrations. History and meaning of daily common prayer in the Church.

**THL 545. Liturgy and Christian Life. 3 credits. OD**

The historical development of Western Liturgy and its technical interpretation through the centuries. Emphasis on the saving presence of Christ and on the role of liturgy in the rest of Christian life.

**THL 546. The Theology of the Saints and Martyrs: A Faith to Live and Die For. 3 credits.**

This course explores how the saints and martyrs are theological agents of human flourishing in the world. Drawing from the Ignatian-inflected theologies of Bernard Lonergan and Hans Urs von Balthasar, we will explore how specific men and women are incarnate images of Trinitarian self-emptying love, and as such, living examples of the Gospel. P. THL 110 or THL 112 or THL 114; sophomore standing.

**THL 552. Studies in Medieval Christianity. 3 credits. SP**

This course surveys the history and theology of the medieval Church, examining key religious institutions (e.g., the papacy, monastic orders, universities) and key leaders and theologians (e.g. Benedict, Gregory VII, Anselm, Bernard of Clairvaux, Francis of Assisi, Thomas Aquinas). P. One Magis Core The Christian Tradition course; a 200-level Scripture course; So. stdg.

**THL 553. Reformation Theology. 3 credits.**

This course examines the history and theological controversies of the Reformation. Students will be introduced to: the various reform efforts of the late medieval Church; the influence of Christian Humanism; the writings of significant Protestant theologians; and the response of the Roman Catholic Church to these reform efforts. P. One Magis Core The Christian Tradition course.

**THL 561. Finding God In Daily Life: Prayer And Discernment. 3 credits. OD**

General introduction to Christian spirituality with special emphasis on Ignatian spirituality. Goal is to deepen understanding of spirituality as well as to improve the quality of Christian living by developing practices of personal prayer and discernment of spirits. Special emphasis placed on the theology of the Holy Spirit, Ignatian spirituality and the spirituality of Thomas Merton. P. One Magis Core The Christian Tradition course; a 200-level Scripture course; So. stdg.

**THL 563. Contemporary Moral Problems. 3 credits. OD**

A comprehensive study of one or more moral issues facing contemporary society.

**THL 564. Christian Sexual Ethics. 3 credits. OD**

Investigation of the historical and methodological dimensions of sexual ethics within the Catholic tradition; contemporary magisterial teachings on issues such as premarital sex, artificial birth control, homosexuality, and reproductive technologies; critical analysis of those teachings from various theological perspectives.

**THL 565. Catholic Social Teaching. 3 credits. OD (Same as JPS 565)**

This course provides an examination of contemporary Catholic social ethics. Focus is on the relevance of Christian moral reflection on issues of concern in contemporary society, including racism, poverty, issues of life and death, immigration, economic justice, and the environment. We will give special attention to the moral teachings and ethical methods of Roman Catholic social ethics, but other perspectives within Christianity will also be studied and discussed. P. Magis Ethics course.

**THL 567. Gender, Race and Morality. 3 credits.**

This course will examine how critical reflection on gender and race challenges Christian thought, and how attending to these fundamental features of human personhood and social life may improve Christian conversations about God, faith, moral agency and obligation, culture, and social issues. It will begin by introducing students to feminist philosophy and ethics, and to the range of methods and concerns that biblical scholars, theologians, and ethicists in conversation with this literature have addressed. It will then introduce students to the concerns and methods of womanist theologians and other scholars who complement this critical attention to gender with attention to race and ethnicity, as well as other aspects of personhood and social location. It will pay particular attention throughout to the varying conceptions of moral agency, moral obligation, and justice that are proposed by these literatures. P. Ethics course.

**THL 568. Women In The Christian Tradition. 3 credits. OD**

Study of the outlook on man, woman, and divinity in the Bible, the Christian churches past and present, and "post-Christian" feminism. Examination of the Judeo-Christian tradition, both the pervasiveness of its patriarchal assumptions, and the liberating resources it can contribute to a healthy understanding of maleness and femaleness today.

**THL 572. Ethics and Spirituality. 3 credits. OD**

Consideration of the diverse spiritual traditions of Christianity to see asceticism, prayer, contemplation and discernment as categories which bridge spirituality and ethics. The traditional strands of Christian spirituality as resources for the contemporary life of faith and action. Readings from John of the Cross, Kierkegaard, Kenneth Kirk, Dorothy Day, Merton, Barth and Rahner.

**THL 573. Religion and Politics. 3 credits. OD**

Four Christian formulations of the relation of religion to politics: the sectarian approach, linked to liberal humanism; the natural law tradition, reformulated as basic human rights; the integration of religion and politics in liberation theology; and Christian realism with its dialectic of distance and engagement. Some of the complex interpenetrations of religious issues and political realities. P. One course of The Christian Tradition (THL 110-116) and a 200-level Scripture course and So. stdg.

**THL 575. Foundations of Christian Spirituality. 3 credits. AY, FA, SP**

Designed to introduce students to the major historic and contemporary themes, images and practices in the Christian spiritual tradition. Focus on students' integration of that tradition into their own lives.

**THL 576. Introduction to Jesuit Spirituality. 3 credits. OD**

Study of the life and selected writings of St. Ignatius Loyola as well as contemporary interpretation of his spirituality. Topics include Jesuit prayer, selections from the Constitutions of Society of Jesus, chief documents from the 32nd Congregation of the Society of Jesus, discernment, and the vow of obedience.

**THL 577. Special Questions in Jesuitica. 1-4 credits.**

Systematic and/or historical investigation of topics relating to the Society of Jesus. Content and number of credits to be specified when the course is offered. (This course offered only at the Jesuit College, St. Paul, Minn.).

**THL 579. Special Methods of Teaching Religion in the Secondary Schools. 3 credits. (Same as EDU 579)**

Overview of the principles for communicating the Christian message effectively to different age levels with opportunities to observe and put them into practice. The course deals with the objectives and functions of religious education in terms of secondary school learning experiences. Attention is directed to the selection, organization, and presentation of meaningful learning materials and selection, use and evaluation of textbooks and related aids. P or CO: EDU 551 and EDU 552.

**THL 587. Methods Of Teaching Religion In Elementary School. 3 credits. AY, FA (Same as EDU 587)**

The course is designed to prepare students to effective religious educators in Catholic elementary schools. The course content will encompass the four dimensions of religious education: message, community, service and worship. Students will not only become acquainted with methods and materials for teaching religion, but they will also gain experience planning liturgical celebrations.

**THL 588. Christian Ethics of War and Peace. 3 credits. OD (Same as JPS 588)**

Introduction to the development and application of Christian ethical perspectives on the use of lethal force from the biblical period to the present day. Just war theory and pacifism in both Catholic and Protestant traditions. Special attention given to the formation of personal conscience in reflection on public policy and world events, both historical and current. P. One Magis Core Ethics course and Jr. stdg.

**THL 589. The Rwanda Genocide as a Challenge for the Church. 3 credits.** Exploration of the 1994 Rwanda Genocide in historical, theological, and political contexts with particular focus on roles played by majority Catholic Church. P. One course of The Christian Tradition (THL 110 - THL 116).

**THL 594. Special Topics: Sources and Applications 1. 3 credits.** May be repeated to a limit of six hours.

**THL 596. Special Topics: Sources and Applications 2. 3 credits.** May be repeated to a limit of six hours. P. DC.

**THL 598. Special Seminar in Christian Life Studies. 3 credits.** May be repeated to a limit of six hours. P. DC.

**THR 121. Oral Interpretation Of Literature. 3 credits. AY, FA**  
Study of prose, poetry and drama, including analysis and preparation for performance before an audience. Selections are to be acted, interpreted, and produced.

**THR 131. Acting I. 3 credits. FA, SP**  
Acting I explores stage deportment, pantomime, voice, and methods of character development, and a brief history of acting up to the 20th century. The course includes performance of scenes in laboratory sessions. Students encouraged to try out for roles in University Theatre productions. No previous acting experience required. Required of all Theatre majors and minors.

**THR 153. Stagecraft I. 3 credits. FA (Same as DAN 153)**  
Fundamentals of developing the scenic background for theatrical productions, introduction to tools and equipment through theory, lecture, and demonstration. This class includes a lab component.

**THR 154. Costume Construction. 3 credits.**  
This course presents the fundamentals of developing the costumes and accessories for a theatre production. An introduction to equipment, supplies, and history of the costumer's craft through lecture and application. Includes lab hours.

**THR 161. Theatre Appreciation. 3 credits. AY, FA, SP**  
To enhance the student's understanding and appreciation of the theatre through the exploration of each theatrical element as it relates to the production whole.

**THR 215. Makeup Design. 3 credits.**  
An introduction to the methods of theatrical makeup design and application. Conducted in both a lecture and lab format.

**THR 217. Movement for the Actor. 3 credits. (Same as DAN 217)**  
Movement for the Actor builds on the tools and concepts introduced by going deeper into scene study, styles, and methodologies explored through the lens of physical work. Students are expected to engage in an intense exploration of demanding texts to build a solid physical language that is grounded in truth and to incorporate a variety of contemporary texts deemed appropriate for additional physical exploration. The course is designed to help achieve the widest range of physical and emotional expression through the body in relation to the space around us.

**THR 253. Drafting I. 3 credits. OD**  
An introduction to the language of mechanical drawing in the theatre through hand drafting and computer-aided drafting (CAD). P. THR 153.

**THR 254. Introduction to Theatrical Design. 3 credits.**  
This course will explore the fundamentals of following a design concept through from the idea to its implementation. The areas of Scenic Design, Costume Design, Lighting Design, Props Design and Sound Design will be discussed independently and as a collaborative art.

**THR 271. Voice Class. 3 credits. FA, SP, SU (Same as MUS 271)**  
The techniques of singing, including voice placement, tone production, breathing, and English diction. Individual attainment in a class setting will be emphasized. No prerequisite required. May be repeated for credit to a limit of six hours.

**THR 295. Special Projects. 1-6 credits. FA, SP**  
This course will allow students to develop techniques of theatrical production. Students will work as a team in the production of a final group project, serving as designers, actors, directors, playwrights, dramaturgs, etc. P. THR 131 and THR 153 or IC.

**THR 323. Classical Greek Drama. 3 credits. FA (Same as CNE 323)**  
Selected works of Greek Tragedians. The influence of Greek drama on English literature and on modern drama.

**THR 324. Visions of America: The 21st Century Pulitzer Prize for Drama. 3 credits.**  
This course is an examination of the 21st century winners of the Pulitzer Prize for Dramatic Literature. Since its inception, the Pulitzers have been awarded to American playwrights who present a vision of American life through their dramatic works. Students will examine these visions and in particular, reflect on the increased diversity of the award winners, each representing unique perspectives of what it means to be American in today's changing world. P. Critical Issues in Human Inquiry.

**THR 328. Acting for the Camera. 3 credits. OD**  
Methodology and application of acting scenework before a camera rather than a live audience. Course will investigate the mediums of television, film and video acting. P. THR 131 or IC.

**THR 330. Acting II. 3 credits. AY, FA, SP**  
This course will refine the student's awareness of the fundamental skills of acting and aid the student in developing a personal acting approach. It will introduce students to method acting and advanced scene work with an emphasis on action and characterization. Students will continue advanced scene work in audition preparation and in dialogue scenes. P. THR 131; Oral Communication course.

**THR 331. Acting Styles. 3 credits. AY, SP**  
Study of styles of acting from historical periods, Greek to modern, including individual projects in characterization. P. THR 131 and THR 153 or IC.

**THR 332. Advanced Voice for the Actor. 3 credits.**  
Advanced Voice for the Actor is a companion course expanding on the vocal skills introduced in Acting I & II. Utilizing various techniques from successful voice practitioners, the actor will gain control over diction, projection, breath support, control, and vocal health as well as a range of skills for dialect acquisition and performance. Prereq: THR 131; THR 330; Instructor consent.

**THR 333. Improvisational Comedy. 3 credits. AY, FA, SP**  
Training to develop the student's creativity and spontaneity. Ensemble creation of theatre performance pieces.



**THR 335. Audition Technique. 3 credits. (Magis Designation: Technology)**

Audition Technique explores the craft of auditioning and the practical application of skills that assist the actor investigate, select, and prepare appropriate audition material for the specific demands of the audition call. This course is the practice of finding and preparing materials and receiving coaching, then simulated audition sessions to apply your skills and materials in a variety of exercises which include: building a personalized warm-up; actor slate; preparation practices; professional materials such as cover letters, resumes, web presence; cold reads and self-tapes; musical theatre and dance; cattle call unified auditions; and specific adverts for seasons, companies, or individual shows. Students will build a repertoire of audition selections and create acting resumes and portfolios. P. THR 131, THR 330 or IC.

**THR 341. Play Direction And Script Analysis I. 3 credits. FA**

Theory and practice of play direction utilizing lecture, outside reading, discussion and experimentation with production of scenes in class. Course necessary for any production of plays in the one-act festival; also recommended for secondary teachers who may be required to produce plays. Required of all Theatre majors. P. THR 131, THR 153 or IC; Ethics course.

**THR 342. The Art Of Television Directing. 3 credits. SP**

It is no easy task to pay equal attention to both the creative and the technical sides of television production. The person that must accomplish this task is the TV director. This course will help students learn to think, plan and evaluate the TV directing process. Scenarios will focus on "live" directing experiences, which will develop this knowledge.

**THR 350. Stagecraft II. 3 credits. OD**

Introduction and uses of new materials in stagecraft, mechanical and perspective drawing, scene painting, special effects and problems in advanced technical application. Lecture and laboratory. P. THR 153.

**THR 351. Scene Design I. 3 credits. OD**

Principles of scenic art through practical application of the elements. Required of Theatre majors with a concentration in Technical Theatre. P. THR 153 or IC.

**THR 355. Lighting Design I. 3 credits. (Same as DAN 355)**

An introduction to the fundamentals of lighting theory, electricity, color in light, tools, equipment and paperwork through lecture and practical application. Lecture and laboratory. P. THR 131 or THR 153.

**THR 357. Costume Design I. 3 credits. OD**

Principles of costume design, color, rendering techniques and dramatic analysis. P. IC.

**THR 391. Production Practicum. 1-2 credits. FA, SP (Same as DAN 391)**

Course is divided into two segments. Course description for segment one, Technical Crew: Technical crew work in Creighton theatre and dance productions; may include set construction, properties, sound, lighting. Per credit hour, course requires three hours of shop work weekly (time scheduled with permission of instructor) and working one production as a crew member. Course description for segment two, Costume Crew: Costume construction for Creighton theatre and dance productions. Per credit hour, the course requires three hours of costume shop work weekly (time scheduled with permission of instructor) and working one production as a wardrobe crew member. This course may be repeated to a limit of eight semester hours.

**THR 428. Film and the Fine Arts. 3 credits. OD (Same as SRP 428)**

Film as an art form and its relationship to art history, music, and theatre history; the history of styles of acting, design, music, and art in film in the 20th century. Criticism of film art. Course requirements include discussion, examinations and critical writing. Extensive use of the Internet.

**THR 432. Actor's Lab. 3 credits.**

Special studies in acting technique. Could include pantomime, voice and dialects, Shakespearean or other acting styles. Topics to be announced in the Schedule of Courses. May be repeated to a limit of six hours.

**THR 441. Play Direction And Script Analysis II. 3 credits. AY, FA**

Advanced problems in play direction and comparative study of the methods and achievements of major modern directors. Students will direct a one-act play or comparable project for public performance. P. THR 341 or IC.

**THR 451. Scenic Design II. 3 credits.**

Advanced projects in scene design with an emphasis on analysis and concept development. Advanced rendering and model building techniques and presentation of the design will also be stressed. P. THR 351.

**THR 453. Drafting II. 3 credits.**

Advanced techniques in hand drafting and computer aided drafting. Three-dimensional renderings, section and alternate views, production organization, details, and construction views will be covered in the class. P. THR 253 or IC.

**THR 455. Lighting Design II. 3 credits.**

Study of advanced lighting techniques. Students will develop lighting designs, light plots and cue sheets for a variety of theatre and dance productions. P. THR 355 or IC.

**THR 457. Costume Design II. 3 credits.**

Advanced projects in designing for drama, musical theatre, opera and dance with an emphasis on character development through costume and support of production concept. Advanced rendering techniques and portfolio preparation will be stressed. P. THR 357 or IC.

**THR 458. Performance Directing And Production Laboratory. 3 credits.**

The focus of this course is to offer upper level students the opportunity to continue to develop and improve their techniques and knowledge in television performance, directing and production. This will be accomplished by having the students develop and produce TV programs on a regular schedule. This course may be repeated for a total of six credits.

**THR 461. American Theater History. 3 credits. OD**

Development of theatre in the United States from the colonial period to the present. Consideration of all aspects of theatre, playwriting, architecture, set design, acting and directing. Readings assigned in plays representative of professional theatre in each era.

**THR 465. Theatre History (5th Century, B.C.-1700). 3 credits. AY, FA**

This course is an introduction to the study of Theatre History and its application to theater artists. Includes awareness of patterns of history and the relationship between theatre and society. Covers origins of theater, Greek and Roman theatre, theatre in the Middle Ages, and the Italian, English, Spanish, and French theatre up to 1700. P. THR 131 and One Magis Core Contemporary Composition course.

**THR 466. World Theatre History II: (1700-Present). 3 credits. AY, SP**  
Introduction to the study of theatre history and its application for theatre artists. Includes awareness of patterns of history and the relationship between theatre and society. This course is a survey of primarily western European theatre and the related theatre literature from the English Restoration through the 21st century. P. One Magis Core Contemporary Composition course.

**THR 467. Theatre for Social Justice. 3 credits.**

Theatre for Social Justice is an exploration of the process of creating social change through various forms of performative activism, culminating in the creation, development and performance of an original issue-based theatre piece. The course is designed so that the central issue to be explored will change each time the course is offered and will be determined by the students and instructor. P. THR 131 or Instructor Consent.

**THR 491. Production for Majors. 1-2 credits.**

All THR majors are required to enroll in THR 491 during their junior and senior years. Enrollment in this course requires the student to contribute a minimum of 180 hours per academic year toward Creighton productions. All areas of theatre, dance and music directly related to a Creighton production are counted toward the total involvement hours. Performance majors must be involved in an area of technical theatre for at least one show per academic year. Must be repeated for a total of four credits. P. Theatre major; Jr. stdg.; THR 131, THR 153 and two more THR major courses.

**THR 493. Internship in Theatre. 1-3 credits. OD, SU**

Practical experience in a student's chosen field of production. The internship will be done in conjunction with an organization approved by the theatre faculty. The student will be required to submit an internship proposal to be approved by their theatre adviser prior to enrolling for this course. P. DC.

**THR 495. Directed Independent Study. 1-3 credits. FA, SP**

Directed study in theatre to meet the individual needs of the student. No more than six hours of Theatre 495 may be taken for credit toward a degree. May be repeated to a limit of six hours. P. Jr. stdg.; Six hours 200-level theatre courses; IC.

**THR 499. Senior Thesis. 1-3 credits. FA, SP**

Students are expected to initiate and develop a project in one of the following areas: acting, directing, design or research. Application must be made to the thesis adviser and the department within the first two weeks of preceding semester. Required for B.F.A., Major in Theatre with both Performance and Technical Track. P. Sr. stdg.; IC; DC.

**THR 510. Television Production Workshop. 3 credits. SU**

This course is designed to give the participants an overview of the various types of television production. Production "experiences" from multi-camera situations, single camera Electronic Field Production, to basic video editing with iMovie II will be covered.

**WGS 300. Introduction to Women's and Gender Studies. 3 credits. OD**

This introduction to the interdisciplinary fields of Gender & Sexuality Studies presents a historical, sociological, cultural, and theoretical overview of how gender and sexuality have been lived and understood over the past two hundred years. In addition to providing the basic vocabularies and concepts central to women's, feminist, gender, and sexuality studies, the course will enable students to analyze the ways in which conceptions of gender and sexuality intersect with class, race, ethnicity, ability, and age to define social categories, shape identities, and form (or re-form) systems of power, privilege, and oppression.

**WGS 492. Advocacy and Education Internship. 1-3 credits. FA, SP**

The course requires reflection papers and reports throughout the semester. Course may not be repeated. P. IC.

**WGS 495. Directed Independent Study. 1-3 credits. OD**

May be repeated to a limit of six hours. P. DC.