THE DOCTOR OF DENTAL SURGERY CURRICULUM

Overview of Curriculum at Creighton University School of Dentistry

A Graduate of the School of Dentistry at Creighton University will be competent in:

BIOMEDICAL SCIENCES

- Understanding the biomedical sciences and their relationship to oral health, oral diseases, and oral-related disorders.

BEHAVIORAL SCIENCES

- Understanding and applying the principles of behavioral science as they pertain to patient-centered approaches for promoting, improving, and maintaining oral health.
- Managing a diverse patient population and having the interpersonal and communication skills to function successfully in a multicultural work environment.

PRACTICE MANAGEMENT

- Evaluating different models of oral health care management and delivery.
- Applying the basic principles and philosophies of practice management and having the skills necessary to function as the leader of the oral health care team.
- Communicating and collaborating with other members of the health care team to facilitate the provision of health care.

ETHICS AND PROFESSIONALISM

- Understanding and applying ethical, legal, and regulatory concepts as they pertain to patient care and practice management.
- Demonstrating the ability to self-assess relative to professional development and to self-directed, life-long learning.

CRITICAL THINKING AND INFORMATION TECHNOLOGY

- Using critical thinking and problem solving skills to guide clinical decision making during the comprehensive care of patients as well as in scientific inquiry and research methodology.
- Using information technology resources in contemporary dental practice.

CLINICAL SCIENCES

- Performing patient examination, assessment, and diagnosis procedures.
- Developing a comprehensive plan of treatment.
- Understanding and demonstrating the principles of health promotion and disease prevention.
- Understanding and obtaining informed consent.
- Selecting, administrating, and prescribing appropriate pharmacologic agents to manage conditions that influence dental treatment including pain and anxiety, and using non-pharmacologic methods when appropriate.
- Restoring single defective teeth with appropriate materials and techniques to establish proper form, function, and esthetics.
- Restoring partial or complete edentulism with fixed or removable prosthodontics in the uncomplicated patient and in managing the care of the complicated edentulous patient.
- Managing the restoration of partial or complete edentulism using contemporary implant procedures.
- Performing uncomplicated periodontal therapies and in managing the care of patients with complicated or advanced periodontal problems.
- Performing uncomplicated endodontic procedures and in managing the care of patients with complicated pulpal and periradicular disorders.
- Recognizing and managing oral mucosal and osseous disorders.
- Performing uncomplicated hard and soft tissue oral surgical procedures and in managing the care of patients with complicated oral surgical problems.
- Preventing, recognizing, treating, and managing dental emergencies including pain, hemorrhage, trauma, and infection of the orofacial complex.
- Managing patients with acute and chronic occlusal and temporomandibular disorders.
- Managing minor tooth movements and space maintenance as well as the care of patients with complicated or advanced orthodontic problems.
- Appraising completed and existing treatments and in using these outcomes of patient care to guide professional development, recall strategies, and prognoses.
- Preventing, recognizing, managing, and treating, for the short-term, acute medical emergencies in the dental environment including the provision of life support measures.
- Assessing the treatment needs of patients with special needs.
- Performing, managing, and/or communicating requisite technical and laboratory procedures attendant to the provision of dental restorations.
- Assessing, critically appraising, applying, and communicating scientific and lay literature as it relates to providing evidence-based patient care. (2021)

The courses of instruction are listed here by department, and are subject to continual review and revision. The University reserves the right to modify or to cancel any of the courses listed without notice.

Key to Symbols

The standard course description includes a variety of symbols or abbreviations indicating essential information. These symbols are used to identify the subject area of course offerings in schedules, grade reports, transcripts of records, etc. The following is a sample course description with the individual symbols explained in the order in which they appear in that description.

CPD 109. Preventive Dentistry. 1 credit. FA

CPD	Subject Code
109	Course number
Preventive Dentistry	Course Title
(1)	Credit value of the course in terms of semester hours of credit.
FA	Term offered. FA indicates fall semester; SP indicates spring semester; SU indicates summer semester.

NOTE: Not all the foregoing information may be noted in any individual course.

Community and Preventative Dentistry (CPD)

First Year (D1)

CPD 107. Interpersonal Relationships and Communication. 1 credit. FA
To assist in their orientation and adjustment to professional education, freshmen will participate in group introductions followed by discussions on interpersonal relationships. Communication styles, time management, problem solving, dealing with stress, and understanding various cultural differences will be addressed.

CPD 109. Preventive Dentistry. 1 credit. FA
The course is designed to provide foundational knowledge regarding cariology and the principles of preventive dentistry for patient care. The student will learn about and develop skills of patient and self motivation; knowledge of dental diseases and abnormalities; application of the principles of fluoridation; nutrition, home care, effective oral hygiene with reference to health promotion, disclosing agents, toothbrushing, flossing, oral physiotherapy aids, sealants, and topical fluorides.

CPD 110. Community Dentistry Field Experience 1. 2 credits. FA
This course is designed to provide first-year dental students with an opportunity to participate in required and selective community-based dental education (CBDE) experiences. Students participate in CBDE by providing patient-centered clinical preventive services. Community-based training experiences provide students with an opportunity to learn directly about the oral health needs of various underserved populations as well as how to improve access to care.

CPD 112. Community Field Experience 2. 1 credit. SP
This course continues to provide first-year dental students with an opportunity to participate in required and selective community-based dental education (CBDE) experiences. Students participate in CBDE by providing patient-centered clinical preventive services. Community-based training experiences provide students with an opportunity to learn directly about the oral health needs of various underserved populations as well as how to improve access to care.

CPD 119. Mindfulness and Wellbeing. 0.5 credits. FA
This course provides opportunity to explore techniques that support student wellbeing, integrating the Jesuit charisms of “care of the whole person” and “men and women (people) for and with others” and innovative dental education. By engaging in practices of movement, breathing, contemplation, and mindfulness, students will develop strategies for use in the practice setting to enhance professional resilience and patient wellbeing.

CPD 129. Compassion Science. 0.5 credits. SP
This course will study the emerging field of compassion science through an examination of the published literature, the evidence-based framework for compassionate care in clinical settings, and the possible underlying reasons why compassionate care is so powerful for patients and healthcare professionals. P. CPD 107, CPD 119.

Third Year (D3)

CPD 308. Community Dentistry Field Experience 3. 0.5 credits. FA
This course is designed to provide third-year dental students with an opportunity to participate in required and selective community-based dental education (CBDE) experiences. Students participate in CBDE by providing patient centered clinical preventive services. Community-based training experiences provide students with an opportunity to learn directly about the oral health needs of various underserved populations as well as how to improve access to care.

CPD 310. Community Dentistry Field Experience 4. 0.5 credits. SP
This course is designed to provide third-year dental students with an opportunity to participate in required and selective community-based dental education (CBDE) experiences. Students participate in CBDE by providing patient centered clinical preventive services. Community-based training experiences provide students with an opportunity to learn directly about the oral health needs of various underserved populations as well as how to improve access to care.

CPD 315. Behavioral Science Aspects of Patient Care. 0.5 credits. SU
The course is designed to enhance the student's ability to provide person-centered care in an ever-changing world of diversity and multiculturalism. The course builds upon the student's foundational knowledge and skills regarding patient communication and dental care. Students understand and apply the principles of behavioral science as they pertain to person-centered approaches for promoting, improving, and maintaining oral health in diverse populations.

CPD 327. Practice Planning. 1 credit. SP
This course is designed to introduce the student to practice management principles. It covers the process of staffing and running an office including internal marketing and treatment planning. Employment law as well as communication with staff, and design and function of a dental office is emphasized. The terminology that accompanies patient billing practice and the different types of insurance networks and plans will be discussed. Associateship agreements as well as commercial leasing contracts will be studied. Finally, dental entities will be introduced.

CPD 329. Public Health Dentistry. 1 credit. SP
Introduction of Dental Public Health, noting the dentist has a "primary duty of service to the public." Emphasis is placed on health promotion and education, epidemiology of oral diseases, sociology and cultural differences of the dental practice, dental public health research and prevention, clinician's responsibility to access and justice, delivery systems, financing dental care, and the social determinants of health.

Fourth Year (D4)

CPD 406. Community Dentistry Field Experience 5. 0.5 credits. SU
This course consists of required extramural rotations for year four dental students. Students participate in extramural rotations by providing patient-centered clinical preventive services, adult restorative dentistry, pediatric dentistry, basic oral surgery and management of the acute care patient. Service-learning rotations provide students with an opportunity to learn directly about the oral health needs of vulnerable, underserved populations as well as how to improve access to oral health care.

CPD 408. Community Dentistry Field Experience 6. 0.5 credits. FA
This course consists of required extramural rotations for year four dental students. Students participate in extramural rotations by providing patient-centered clinical preventive services, adult restorative dentistry, pediatric dentistry, basic oral surgery and management of the acute care patient. Service-learning rotations provide students with an opportunity to learn directly about the oral health needs of vulnerable, underserved populations as well as how to improve access to oral health care.

CPD 410. Community Dentistry Field Experience 7. 0.5 credits. SP
This course consists of required extramural rotations for year four dental students. Students participate in extramural rotations by providing patient-centered clinical preventive services, adult restorative dentistry, pediatric dentistry, basic oral surgery and management of the acute care patient. Service-learning rotations provide students with an opportunity to learn directly about the oral health needs of vulnerable, underserved populations as well as how to improve access to oral health care.

CPD 417. Business of Practice. 1 credit. FA
Designed to provide background information to assist in making informed decisions when agreeing to work as a dental associate. Employment contract language is discussed at length. The principles of purchasing a practice are explored including methods used in valuing a practice and financing the purchase of a practice. Principles are discussed for disability insurance, dental malpractice insurance and general office insurance.

Diagnostic Sciences (DAR)

Second Year (D2)

DAR 221. Radiology. 2 credits. FA
This course will consist of: Basic principles of radiation physics, biology, protection, geometry, and technique. Radiographic anatomy. Recognition of common pathology including inflammatory disease, caries, and periodontal disease. Also develop an understanding of radiographic prescription following the ADA guidelines. A basic discussion of advanced imaging will also be presented. Principles of radiographic interpretation will be covered and discussed.

DAR 222. Radiology Clinic 1. 5 credits. FA
This course will provide hands-on instruction regarding imaging principles and various techniques of digital intra/extra oral radiography. Instruction will focus on the projection geometry of paralleling angle technique. Students will learn infection control, quality assurance, and recognition and prevention of radiographic pitfalls on a Dexter model. D2 year students in this entry-level, clinically-oriented course will also be assisting juniors/seniors with oral diagnosis and prophylaxis procedures. In addition, students will participate in radiographic interpretation in the clinic of full mouth and panoramic images in order to be able to diagnose common dental pathologies such as caries and periodontal disease.

DAR 223. General Pathology 1. 1.5 credit. SU
This course teaches the basic principles of general and systemic pathology, concentrating on the etiology, pathogenesis and applications to dentistry. Systemic diseases with oral considerations are stressed and actual clinical case histories are utilized whenever appropriate.

DAR 225. General Pathology 2. 3 credits. FA
This course teaches the basic principles of general and systemic pathology, concentrating on the etiology, pathogenesis and applications to dentistry. Systemic diseases with oral considerations are stressed and actual clinical case histories are utilized whenever appropriate.

DAR 226. Radiology Clinic 2. 0.5 credits. SP
This course will provide hands-on instruction regarding imaging principles and various techniques of digital intra/extra oral radiography. Instruction will focus on the projection geometry of paralleling angle technique. Students will learn infection control, quality assurance, and recognition and prevention of radiographic pitfalls on a Dexter model. D2 year students in this entry-level, clinically-oriented course will also be assisting juniors/seniors with oral diagnosis and prophylaxis procedures. In addition, students will participate in radiographic interpretation in the clinic of full mouth and panoramic images in order to be able to diagnose common dental pathologies such as caries and periodontal disease.

DAR 227. Infectious Disease Control. 0.5 credits. SU
Provide a working knowledge and understanding of fundamental infection control concepts and their application in the practice of general dentistry including: the chain of infection; the Spaulding classification system; cleaning, decontamination, preparation and packaging, sterilization and storage of dental instrumentation, armamentarium and equipment; contact and housekeeping surfaces; appropriate donning and doffing of personal protective equipment; OHSA guidelines and critical diseases states placing the dental HCW at risk.

DAR 229. Oral Diagnosis and Treatment Planning. 2 credits. SP
Lectures designed to acquaint the preclinical student with the fundamentals of the interview, the principles and procedures of clinical examination, the methods of identifying oral diseases, and the rationale for oral therapy. Following the correlation of facts obtained, the formulation of a diagnosis, prognosis and treatment plan is made. This is accompanied by a clinical introduction of students to the treatment of patients in clinical setting, including the principles of clinical examination, dental hygiene procedures and infection control.

DAR 233. Oral Pathology 1. 4 credits. SP
This course is designed to present etiologic, basic histopathologic, and clinical information of diseases that commonly manifest in the oral cavity and the head and neck regions. Prognosis and treatment of these diseases will be stressed. Heavy emphasis will be placed on clinical recognition and differential diagnoses.

Third Year (D3)

DAR 311. Radiographic Interpretation. 1 credit. SU
The course deals with the basic principles of radiographic interpretation of oral and maxillofacial pathologies. The radiographic features of the various common oral and maxillofacial pathologies will be dealt in detail. Basics of Cone Beam CT will also be covered.

DAR 317. Dental Management of Medically Complex Patients. 1 credit. FA
This course is designed to enhance the students' understanding of medical conditions, the recognition of compromised states, and the subsequent modifications to dental care to prevent adverse side effects from procedures and drugs used in dentistry. Emphasis is placed on analyzing findings from patient histories, signs and symptoms, writing appropriate medical consultations and formulating treatment plans that are compatible with a patient's medical status.

DAR 320. Applied Treatment Planning. 0.5 credits. SU
This course will be composed of small group teaching of 6 students for 4 hours during which time the interpretation of the intraoral complete series will occur. Each student will present one patient case. Students will review and assess the radiographs for quality assurance and diagnostic accuracy. Documentation of existing restorations, caries, periodontal disease, apical and bone pathology will be accomplished to determine disease processes. Treatment plans will be developed and discussed for each case.

DAR 326. Oral Diagnosis and Treatment Planning Clinic 1. 0.5 credits. SU
This course is an introduction to clinical experience in oral diagnosis, radiology, treatment planning, oral hygiene, and assessment of treatment outcomes. An integral aspect of this course is the opportunity to apply and integrate the knowledge and principles learned in the classroom courses in oral diagnosis, oral medicine, oral pathology, and oral radiology to individual patients in clinical situations. The student is guided in the collection and analysis of acceptable treatment options for each patient.

DAR 328. Oral Diagnosis and Treatment Planning Clinic 2. 1 credit. FA
This course continues as an introduction to clinical experience in oral diagnosis, radiology, treatment planning, oral hygiene, and assessment of treatment outcomes. An integral aspect of this course is the opportunity to apply and integrate the knowledge and principles learned in the classroom courses in oral diagnosis, oral medicine, oral pathology, and oral radiology to individual patients in clinical situations. The student is guided in the collection and analysis of acceptable treatment options for each patient.

DAR 330. Oral Diagnosis and Treatment Planning Clinic 3. 1 credit. SP
This course is designed to provide clinical experience in oral diagnosis, radiology, treatment planning, oral hygiene, and assessment of treatment outcomes. An integral aspect of this course is the opportunity to apply and integrate the knowledge and principles learned in the classroom courses in oral diagnosis, oral medicine, oral pathology, and oral radiology to individual patients in clinical situations. The student is guided in the collection and analysis of acceptable treatment options for each patient.

DAR 333. Temporomandibular Disorders/Orofacial Pain. 1 credit. SP
This lecture course is an introduction to the classification, examination, diagnosis, and management of temporomandibular and orofacial pain disorders. The translational approach of the course will include anatomy, physiology and radiology of the head and neck with an understanding of the normal functioning of the masticatory system. Clinical evaluation techniques to determine areas of dysfunction and disorders of the head and neck will be utilized. Management principles of orofacial pain patients with various treatment scenarios will be examined, including occlusal appliance therapy in the management of parafunctional habits and temporomandibular disorders.

Fourth Year (D4)

DAR 408. Oral Diagnosis and Treatment Planning Clinic 4. 0.5 credits. SU
The student applies accepted concepts and procedures of the dental examination, problem identification, outcomes assessment, diagnosis, and treatment planning; stating concisely the therapeutic measures that will constitute satisfactory therapy. The student provides patient education and home care instructions and performs coronal and subgingival scaling, prophylaxis and fluoride treatment.

DAR 410. Oral Diagnosis and Treatment Planning Clinic 5. 1 credit. FA
The student applies accepted concepts and procedures of the dental examination, problem identification, outcomes assessment, diagnosis, and treatment planning; stating concisely the therapeutic measures that will constitute satisfactory therapy. The student provides patient education and home care instructions and performs coronal and subgingival scaling, prophylaxis and fluoride treatment.

DAR 411. Oral Pathology 2. 1 credit. SU
This course is designed to review and refine critical thinking skills that are necessary in diagnosing common diseases that involve the oral cavity and the head and neck regions. Clinical recognition of orofacial lesions and the continued development of reasonable and sound differential diagnoses will be the central theme.

DAR 412. Oral Diagnosis and Treatment Planning Clinic 6. 1 credit. SP
The student applies accepted concepts and procedures of the dental examination, problem identification, outcomes assessment, diagnosis, and treatment planning; stating concisely the therapeutic measures that will constitute satisfactory therapy. The student provides patient education and home care instructions and performs coronal and subgingival scaling, prophylaxis and fluoride treatment.

Endodontics (END)

Second Year (D2)

END 211. Pulp Biology and Endodontics. 1 credit. FA
Histology, physiology and functions of the pulp as well as the disease processes that involve the pulp and periradicular tissues.

END 227. Endodontic Techniques. 1 credit. SP
Basic principles of endodontics including diseases of the pulp and periapical tissues, diagnosis and treatment procedures, prognosis, bleaching, and restoration of endodontically treated teeth.

END 228. Endodontics Laboratory. 3 credits. SP
Practical application of endodontic treatment procedures and principles performed on plastic and natural teeth mounted in stone to simulate clinical practice.

Third Year (D3)

END 311. Endodontic Problem Solving. 1 credit. FA
Problem solving techniques and procedures including the management of endodontic emergencies, endodontic and periodontic problems, vital pulp therapy, traumatic injuries, and other endodontic problems.

END 318. Endodontic Clinic 1. 0.5 credits. SU
This course offers introduction to the application of clinical practice of non-surgical endodontics involving the adult dentition. Students will encounter a wide variety of experiences using current clinical methods, technology, and materials.

END 320. Endodontic Clinic 2. 1 credit. FA
This course is a continuation of the application of clinical practice of non-surgical endodontics involving the adult dentition. Students will encounter a wide variety of experiences using current clinical methods, technology, and materials.

END 322. Endodontic Clinic 3. 1 credit. SP
This course is a continuation of the application of clinical practice of non-surgical endodontics involving the adult dentition. Students will encounter a wide variety of experiences using current clinical methods, technology, and materials.

Fourth Year (D4)

END 411. Advanced Endodontics, Surgery, and Review. 0.5 credits. FA
This course offers a general review of endodontics emphasizing advanced clinical techniques, pain management, surgical endodontics and new trends in the field of endodontic therapy.

END 416. Endodontic Clinic 4. 0.5 credits. SU
This course continues the clinical practice of endodontics. D4 level students, working with an increased degree of independence, are expected to complete a variety of cases with increasing independence.

END 418. Endodontic Clinic 5. 1 credit. FA
This course continues the clinical practice of endodontics. D4 level students, working with an increased degree of independence, are expected to complete a variety of cases with increasing independence.

END 420. Endodontic Clinic 6. 1 credit. SP
This course continues the clinical practice of endodontics. D4 level students, working with an increased degree of independence, are expected to complete a variety of cases with increasing independence.

General Dentistry (GD___)

The Department of General Dentistry evolved in response to specific needs of both dental students and dental clinical patients. This program permits students to participate in clinical activities that simulate a

private practice. Patient control clerks assist dental students in patient management. Patients receive comprehensive treatment within a designated clinical area under the direct supervision of assigned faculty mentors. This department is responsible for subject material dealing with diagnosis and radiology (GDD), dental sciences (GDS), and operative dentistry (GDO). It is also responsible for monitoring overall student compliance with clinical comprehensive care guidelines (GDP).

Diagnosis and Radiology (GDD)

Third Year (D3)

GDD 320. Acute Care Clinic 1. 0.5 credits. SU
This introduction to clinical patient care course builds on prior learning which introduced the diagnostic method; more specifically, the component of this course relates to the diagnosis and management of dental emergencies. Also covered are the principles of patient evaluation and examination, and the process that leads to the development of a logical limited treatment plan. In a block assignment schedule, the students will perform patient evaluation and examination procedures, order and expose indicated radiographs, provide appropriate treatment options including expected prognosis and treatment outcomes. The students will also provide the appropriate treatment to the patient, including but not limited to: limited endodontic procedures; operative procedures including sedative and temporary fillings and on the rare occasion permanent restorations when indicated; prosthodontic adjustments, repairs, re-cementation; periodontal treatment; oral surgery procedures; and the prescribing of antimicrobials, antivirals, and analgesics when indicated. Dental Health Records documentation and student evaluation of Assessment of Treatment Outcomes including time management will be accomplished.

GDD 322. Acute Care Clinic 2. 0.5 credits. FA
This introduction to clinical patient care course builds on prior learning which introduced the diagnostic method; more specifically, the component of this course relates to the diagnosis and management of dental emergencies. Also covered are the principles of patient evaluation and examination, and the process that leads to the development of a logical limited treatment plan. In a block assignment schedule, the students will perform patient evaluation and examination procedures, order and expose indicated radiographs, provide appropriate treatment options including expected prognosis and treatment outcomes. The students will also provide the appropriate treatment to the patient, including but not limited to: limited endodontic procedures; operative procedures including sedative and temporary fillings and on the rare occasion permanent restorations when indicated; prosthodontic adjustments, repairs, re-cementation; periodontal treatment; oral surgery procedures; and the prescribing of antimicrobials, antivirals, and analgesics when indicated. Dental Health Records documentation and student evaluation of Assessment of Treatment Outcomes including time management will be accomplished.

GDD 324. Acute Care Clinic 3. 0.5 credits. SP
This introduction to clinical patient care course builds on prior learning which introduced the diagnostic method; more specifically, the component of this course relates to the diagnosis and management of dental emergencies. Also covered are the principles of patient evaluation and examination, and the process that leads to the development of a logical limited treatment plan. In a block assignment schedule, the students will perform patient evaluation and examination procedures, order and expose indicated radiographs, provide appropriate treatment options including expected prognosis and treatment outcomes. The students will also provide the appropriate treatment to the patient, including but not limited to: limited endodontic procedures; operative procedures including sedative and temporary fillings and on the rare occasion permanent restorations when indicated; prosthodontic adjustments, repairs, re-cementation; periodontal treatment; oral surgery procedures; and the prescribing of antimicrobials, antivirals, and analgesics when indicated. Dental Health Records documentation and student evaluation of Assessment of Treatment Outcomes including time management will be accomplished.

Fourth Year (GDD)

GDD 420. Acute Care Clinic 4. 0.5 credits. SU
This clinical patient care course builds on prior learning which provided an introduction to the diagnostic method; more specifically, the component of the course relates to the diagnosis and management of dental emergencies. Also covered are the principles of patient evaluation and examination, and the process that leads to the development of a logical limited treatment plan. In a block assignment schedule, the students will perform patient evaluation and examination procedures, order and expose indicated radiographs, provide appropriate treatment options including expected prognosis and treatment outcomes. The students will also provide the appropriate treatment to the patient, including but not limited to: limited endodontic procedures; operative procedures including sedative and temporary fillings and on the rare occasion permanent restorations when indicated; prosthodontic adjustments, repairs, re-cementation; periodontal treatment; oral surgery procedures; and the prescribing of antimicrobials, antivirals, and analgesics when indicated. Dental Health Records documentation and student evaluation of Assessment of Treatment Outcomes including time management will be accomplished.

GDD 422. Acute Care Clinic 5. 0.5 credits. FA
This clinical patient care course builds on prior learning which provided an introduction to the diagnostic method; more specifically, the component of the course relates to the diagnosis and management of dental emergencies. Also covered are the principles of patient evaluation and examination, and the process that leads to the development of a logical limited treatment plan. In a block assignment schedule, the students will perform patient evaluation and examination procedures, order and expose indicated radiographs, provide appropriate treatment options including expected prognosis and treatment outcomes. The students will also provide the appropriate treatment to the patient, including but not limited to: limited endodontic procedures; operative procedures including sedative and temporary fillings and on the rare occasion permanent restorations when indicated; prosthodontic adjustments, repairs, re-cementation; periodontal treatment; oral surgery procedures; and the prescribing of antimicrobials, antivirals, and analgesics when indicated. Dental Health Records documentation and student evaluation of Assessment of Treatment Outcomes including time management will be accomplished.

GDD 424. Acute Care Clinic 6. 0.5 credits. SP
This clinical patient care course builds on prior learning which provided an introduction to the diagnostic method; more specifically, the component of the course relates to the diagnosis and management of dental emergencies. Also covered are the principles of patient evaluation and examination, and the process that leads to the development of a logical limited treatment plan. In a block assignment schedule, the students will perform patient evaluation and examination procedures, order and expose indicated radiographs, provide appropriate treatment options including expected prognosis and treatment outcomes. The students will also provide the appropriate treatment to the patient, including but not limited to: limited endodontic procedures; operative procedures including sedative and temporary fillings and on the rare occasion permanent restorations when indicated; prosthodontic adjustments, repairs, re-cementation; periodontal treatment; oral surgery procedures; and the prescribing of antimicrobials, antivirals, and analgesics when indicated. Dental Health Records documentation and student evaluation of Assessment of Treatment Outcomes including time management will be accomplished.

Operative Dentistry (GDO)

Second Year (D2)

GDO 215. Operative Dentistry 1. 2 credits. FA
Introduction to diagnosis, prevention and treatment of disease, developmental defects, or traumatic injuries of the hard tissues of individual teeth. Emphasis is placed on mechanical aspects of preparing and restoring individual teeth with specific restorative materials, the physical and biomechanical properties of these materials, and the development of problem solving skills to select appropriate treatments and materials.

GDO 216. Operative Dentistry Laboratory 1. 6 credits. FA
Application of surgical principles to the treatment of diseases and defects of the teeth. Preparations and restorations are performed on natural teeth mounted in stone, typodont models, and plaster teeth. Detailed surgical excisions are made in harmony with principles of tooth anatomy, pathology of the lesions, and masticatory function. Manipulative techniques of the materials commonly employed in operative dentistry are emphasized. Specifically, Class I, II, and V amalgams as well as Class I, II, IV, and V resin composition are covered.

GDO 217. Operative Dentistry 2. 2 credits. SP
Diagnosis, prevention and treatment of disease, developmental defects, or traumatic injuries of the hard tissues of individual teeth. Emphasis is placed on mechanical aspects of preparing and restoring individual teeth with specific restorative materials, the physical and biomechanical properties of these materials, and the development of problem solving skills to select appropriate treatments and materials.

GDO 218. Operative Dentistry Laboratory 2. 5 credits. SP
Application of surgical principles to the treatment of diseases and defects of the teeth. Preparations and restorations are performed on natural teeth mounted in stone, typodont models, and plaster teeth. Detailed surgical excisions are made in harmony with principles of tooth anatomy, pathology of the lesions, and masticatory function. Manipulative techniques of the materials commonly employed in operative dentistry are emphasized. Specifically, Class II indirect gold as well as Class II, III, IV, and V resin composites are covered.

Third Year (D3)

GDO 317. Introduction to the Acute Care Clinic. 0.5 credits. SU
This course introduces the policies and protocols that are to be observed in the Acute Care Clinic. It also describes some commonly observed acute care issues as well as presents treatment modalities used to manage these situations.

GDO 325. Operative Dentistry 3. 1 credit. FA
General review to reinforce the principles of operative dentistry procedures with consideration for the transition to clinical application. Special emphasis is placed on recognition and treatment of pathology pertinent to the teeth and the evaluation of acceptable dental materials and techniques.

GDO 326. Operative Dentistry Clinic 1. 0.5 credits. SU
The course provides introductory clinical experiences for the student to deliver single tooth restorations. Also addressed is the development of skills, knowledge, and techniques of contemporary impression materials, dental liners, bases, restorative materials, and CAD/CAM systems. Special emphasis is placed on recognition and treatment of pathology pertinent to the teeth and the evaluation of acceptable dental materials and techniques.

GDO 328. Operative Dentistry Clinic 2. 1 credit. FA
The course provides introductory clinical experiences for the student to deliver single tooth restorations. Also addressed is the development of skills, knowledge, and techniques of contemporary impression materials, dental liners, bases, restorative materials, and CAD/CAM systems. Special emphasis is placed on recognition and treatment of pathology pertinent to the teeth and the evaluation of acceptable dental materials and techniques.

GDO 329. Operative Dentistry 4. 1 credit. SP
This course is an introduction to contemporary operative dental procedures, including the evaluation and review of newly developed restorative materials. Special emphasis is placed on non-carious conditions such as cracked tooth syndrome and elective esthetic dentistry.

GDO 330. Operative Dentistry Clinic 3. 1 credit. SP
The course provides introductory clinical experiences for the student to deliver single tooth restorations. Also addressed is the development of skills, knowledge, and techniques of contemporary impression materials, dental liners, bases, restorative materials, and CAD/CAM systems. Special emphasis is placed on recognition and treatment of pathology pertinent to the teeth and the evaluation of acceptable dental materials and techniques.

Fourth Year (D4)

GDO 418. Operative Dentistry Clinic 4. 0.5 credits. SU
The course provides clinical experiences for the student to deliver single tooth restorations and uncomplicated 3-unit fixed partial dentures. Also addressed is the development of skills, knowledge, and techniques of contemporary impression materials, dental liners, bases, restorative materials, and CAD/CAM systems. Special emphasis is placed on recognition and treatment of pathology pertinent to the teeth and the evaluation of acceptable dental materials and techniques.

GDO 420. Operative Dentistry Clinic 5. 1 credit. FA
The course provides clinical experiences for the student to deliver single tooth restorations and uncomplicated 3-unit fixed partial dentures. Also addressed is the development of skills, knowledge, and techniques of contemporary impression materials, dental liners, bases, restorative materials, and CAD/CAM systems. Special emphasis is placed on recognition and treatment of pathology pertinent to the teeth and the evaluation of acceptable dental materials and techniques.

GDO 422. Operative Dentistry Clinic 6. 1 credit. SP
The course provides clinical experiences for the student to deliver single tooth restorations and uncomplicated 3-unit fixed partial dentures. Also addressed is the development of skills, knowledge, and techniques of contemporary impression materials, dental liners, bases, restorative materials, and CAD/CAM systems. Special emphasis is placed on recognition and treatment of pathology pertinent to the teeth and the evaluation of acceptable dental materials and techniques.

General Dentisty Professionalism (GDP)

First Year (D1)

GDP 121. Introduction to Comprehensive Person-Centered Care 1. 1 credit. FA
This is the first a two-term course series in which students are introduced to constructing a deep understanding of the meaning of comprehensive person-centered care. Students will explore topics associated with the knowledge, skills, and values as they relate to patient care in the School of Dentistry clinical learning environment and to their own future practice of oral health care.

GDP 123. Introduction to Comprehensive Person-Centered Care 2. 1 credit. SP
This is the second of a two-term course series in which students are introduced to constructing a deep understanding of the meaning of comprehensive person-centered care. Students will explore topics associated with the knowledge, skills, and values as they relate to patient care in the School of Dentistry clinical learning environment and to their own future practice of oral health care.

Second Year (D2)

GDP 221. Foundations of Comprehensive Person-Centered Care 1. 0.5 credits. SU
This is the first of a three-term course series in which students deepen their understanding of comprehensive person-centered care and apply the knowledge, skills, and values as they relate to patient care in the School of Dentistry clinical learning environment and to their own future practice of oral health care.

GDP 223. Foundations of Comprehensive Person-Centered Care 2. 1 credit. FA
This is the second of a three-term course series in which students deepen their understanding of comprehensive person-centered care and apply the knowledge, skills, and values as they relate to patient care in the School of Dentistry clinical learning environment and to their own future practice of oral health care.

GDP 225. Foundations of Comprehensive Person-Centered Care 3. 1 credit. SP
This is the third course in a three-term course series in which students coalesce their understanding of comprehensive person-centered care in preparation for entering the clinical phase of the School of Dentistry curriculum. Students will demonstrate readiness to apply the knowledge, skills, and values related to managing and providing comprehensive person-centered care in the School of Dentistry clinical learning environment.

Third Year (D3)

GDP 320. Applied Comprehensive Person-Centered Care 1. 0 credits. SU
This course introduces the transition from predoctoral simulation clinic to direct patient care. Students will learn to apply knowledge, critical thinking, and professionalism as they integrate discipline specific procedures into comprehensive patient care.

GDP 322. Applied Comprehensive Person-Centered Care 2. 0 credits. FA
This course continues the transition from predoctoral simulation clinic to direct patient care. Students will learn to apply knowledge, critical thinking, and professionalism as they integrate discipline specific procedures into comprehensive patient care.

GDP 324. Applied Comprehensive Person-Centered Care 3. 0 credits. SP
This course integrates departmental and other criteria for clinical learning to support student progression toward clinical competency in associated disciplines, comprehensive patient care, and the independent practice of General Dentistry.

Fourth Year (D4)

GDP 420. Advanced Comprehensive Person-Centered Care 1. 0 credits. SU
This course continues the application of knowledge, critical thinking, and professionalism as students integrate discipline specific procedures into comprehensive patient care. Students will hone their skills toward clinical competence to begin the independent practice of general dentistry.

GDP 422. Advanced Comprehensive Person-Centered Care 2. 0 credits. FA
This course continues the application of knowledge, critical thinking, and professionalism as students integrate discipline specific procedures into comprehensive patient care. Students will hone their skills toward clinical competence to begin the independent practice of general dentistry.

GDP 424. Advanced Comprehensive Person-Centered Care 3. 0 credits. SP
This course integrates departmental and other criteria for clinical learning to support student progression toward clinical competency in associated disciplines, comprehensive patient care, and the independent practice of General Dentistry.

Dental Sciences (GDS)

First Year (D1)

GDS 109. Dental Anatomy and Principles of Restorative Dentistry. 2 credits. FA
The student is taught nomenclature, chronology, and methods of designation of human teeth. Form, size and contour of teeth, including external and internal anatomy of the permanent and primary dentitions, inter-tooth relationships, and occlusion are presented in detail.

GDS 110. Dental Anatomy and Principles of Restorative Dentistry Laboratory. 6 credits. FA
The student will draw and carve teeth to enlarged sizes using average anatomical measurements as well as duplicate teeth to natural size dimensions.

GDS 111. Dental Materials and Introduction to Operative Dentistry 1. 1 credit. FA
This course presents the fundamental principles of dental materials science as it applies to clinical dentistry including an understanding of the basis for laboratory and clinical use. The rationale for materials selection, as dictated by clinical procedure and product comparison, will also be presented.

GDS 112. Dental Materials and Introduction to Operative Dentistry Laboratory 1. 3 credits. FA
Specific dental laboratory projects will be accomplished to allow the student to become familiar with the handling characteristics of the dental materials presented in lecture. This will help to ensure competent use of commonly used dental materials at the clinical level. These exercises are also designed to improve manual dexterity and eye-hand coordination.

GDS 119. Dental Materials and Introduction to Operative Dentistry 2. 1 credit. SP
Composition and properties of the materials used in dentistry. Basic information on the design of preparatory work necessary for the mouth incident to the reception of these materials.

GDS 120. Dental Materials and Introduction to Operative Dentistry Laboratory 2. 3 credits. SP
Application of materials used in dentistry with an emphasis on the treatment of single surface tooth lesions.

Interprofessional Education

First Year (D1)

IPE 001. Interprofessional Education Passport. 0 credits.
The Interprofessional Education Passport consists of student learning activities focused on meeting the core competencies for interprofessional collaborative practice and each profession's interprofessional education accreditation requirements. Interprofessional education is defined as "when students from two or more professions learn about, from and with each other to enable effective collaboration and improve health outcomes" (WHO, 2010). As a Creighton health sciences student, you must complete three IPE Passport activities to graduate. Prior to enrollment in the IPE Passport, you must successfully complete IPE 500: Introduction to Collaborative Care. In order for an activity to be approved as part of the IPE Passport, it must meet certain criteria and be approved by the IPE Curriculum Committee. P. IPE 500.

IPE 500. Introduction to Collaborative Care. 0-0.5 credits.
This course is an introduction to the concepts of interprofessional collaborative practice preparing students across the health sciences to engage in interprofessional education and practice activities during their tenure at Creighton and beyond. In this course health sciences students will gain knowledge in the Core Competencies for Interprofessional Collaborative Practice, versed in the basics of team work in the context of health care and begin to develop skills in team-based clinical reasoning. IPE 500 is a prerequisites to the IPE 001 IPE Passport. Successful completion of IPE 500 is required to be able to complete the IPE 001 IPE Passport.

Second Year (D2)

IPE 530. Foundations of Ethical Care. 1 credit. FA, SP
This course will cover the fundamental aspects of ethics in healthcare, emphasizing ethical decision-making and the application of ethical principles. The course also provides an overview of professional codes of ethics across various healthcare disciplines, with a focus on protecting patient autonomy through regulations like HIPAA and the complexities of obtaining informed consent. Participants will learn to respect patients' rights and decision-making capacities while addressing ethical issues in team-based care. P. IPE 500.

Third Year (D3)

IPE 531. Ethics in Professional Practice. 1 credit. FA, SP
This course explores complex ethical and legal challenges in healthcare by examining key legal standards, ethical decision-making in resource-limited settings, discharge planning, and end-of-life considerations. Topics include advanced directives, resource rationing, EMTALA compliance, and the ethics of life-sustaining treatments. By the course's end, participants will gain a deeper understanding of ethical principles to navigate diverse healthcare situations confidently. P. IPE 500.

IPE 532. Ethics in Health Systems. 1 credit. FA, SP
This course focuses on strategies for advocating equitable care, principles of research ethics, and evidence-based practice. Participants will learn to balance individual rights with community health, addressing ethical issues in vaccination, quarantine, and public health interventions. The module covers global health ethics, the impact of technology and digital health on ethics, ethical considerations in genetic testing and personalized medicine, and examines future trends and challenges in healthcare ethics. P. IPE 500.

Oral Biology (ORB)

First Year (D1)

ORB 121. Histology. 6 credits. FA
Microscopic anatomy of normal mammalian and/or human tissues and organs. Light and electron microscopic aspects of the tissues and organs are studied. The developmental anatomy of the organ systems will also be presented.

ORB 123. General Gross Anatomy. 7 credits. FA
Basic instruction in the gross anatomy of the upper extremity, thorax, and abdomen. This course is taught by lecture, laboratory dissection, models, radiographic images, and various multimedia resources.

ORB 125. Introduction to Conduct of Research. 2.5 credits. FA
This course will involve the completion of CITI web-based modules, identification of research project mentor, identification of research project topic and completion of all project research plan and IRB submission documents in draft form.

ORB 127. Physiology. 3.5 credits. FA
Lectures covering human physiology, including membrane phenomena, muscle and nerve reflexes, blood, circulation, respiration, digestion, absorption and secretion, temperature regulation, exercise, humoral nervous correlations, hormonal control of bodily processes, and the special senses, will be presented.

ORB 145. Head and Neck Anatomy. 7 credits. SP
Basic instruction in the gross anatomy of the head and neck. Special emphasis is placed on the clinical application of anatomy to the various dental disciplines. Such topics include the anatomy and pathology of the TMJ and distribution of the trigeminal and facial nerves with associated applied anatomy. This course is taught by lecture, laboratory dissection, models, radiographic images (x-rays, MRIs, and CTs), and various multimedia resources.

ORB 147. Oral Histology and Embryology. 5.5 credits. SP
Microscopic and developmental anatomy of the normal cells, tissues and organs of the oral cavity with emphasis on teeth and related tissues. Emphasis will be given to the growth and development of the head and neck. Genetic effects will be presented.

ORB 149. Biochemistry. 4 credits. SP
Study of the chemical components of the body with primary emphasis upon the structure, function and synthesis of the macromolecule components of cells and tissues. The roles of proteins, nucleic acids, lipids, and saccharides in metabolic processes and metabolic regulation are examined as are the interrelationships among carbohydrates, lipids, amino acids, purines, and pyrimidines. Replication and expression of genetic information are discussed in the context of growth regulation, hormone action, genetic disorders, and malignant disease.

ORB 151. Nutrition. 1 credit. SP
Basic instruction in nutrition, including nutrients for growth and development of oral tissues. Provides knowledge of balanced nutrition and measurement of dietary factors as related to clinical prevention and health care. Focuses on specific nutrition issues of dental patients and oral conditions with applications to clinical dental practice.

ORB 153. General Neuroscience. 2 credits. SP
Basic instruction in neuroscience. Major topics include the neuroanatomy of the central and peripheral nervous systems introduced in ORB 115. Special emphasis is given to the cranial nerves, especially the trigeminal and the facial, with appropriate clinical applications to dentistry. Other topics in neurophysiology including membrane potentials, action potentials, and resting potentials are presented. This course is taught by lecture and by various multimedia resources.

Second Year (D2)

ORB 215. Microbiology. 3.5 credits. FA
Basic instruction in bacteriology, immunology, mycology, virology, and parasitology. This course includes a discussion of microbiology as it pertains to the mouth and to the dentition.

ORB 229. Pharmacology. 2 credits. SP
Lectures and discussions on pharmacological principles, including pharmacokinetics, drug metabolism, drug receptors, pharmacodynamics and pharmacotherapeutics. Specific drug classes include antimicrobial drugs (antibiotics and antifungals), endocrine pharmacology, anti-cancer and anti-viral drugs, drug-drug interactions, and drug abuse. Prescription writing is also presented.

Third Year (D3)

ORB 315. Dental Pharmacology. 2 credits. FA
Lectures and discussions on pharmacological principles and specific drug classes. Specific drug classes include anesthetics, analgesics, sedative hypnotics, autonomic drugs, cardiovascular drugs, and central nervous system pharmacology.

ORB 337. Evidence-Based Dental Care: Understanding and Evaluating Dental Research. 1 credit. SP
This course is designed to provide the student with the foundational information necessary to understand the principles of evidence-based dental practice, to critically evaluate health sciences research literature, and to apply the findings of scientific inquiry to clinical practice. Key learning milestones include the understanding of scientific information sources, research study designs, hierarchies of evidence, basic statistics, and epidemiology. The ultimate purpose of the course is to reinforce the importance of life-long learning and critical thinking in the application of scientific discovery to patient care.

Fourth Year (D4)

ORB 415. Practical Pharmacotherapeutics for the Dentist. 0.5 credits. SU
This course will review core pharmacology topics from previous courses including general principles, central nervous system, autonomic nervous system, local anesthetics, cardiovascular system, chemotherapy, endocrines/immunosuppressants, analgesics, antihistamines, and autocoids. As part of this review, students will be expected to understand and articulate the practical application of this knowledge (i.e. clinical relevance) to direct patient care.

Oral and Maxillofacial Surgery (OMS)

Second Year (D2)

OMS 221. Pain Control and Anesthesia. 1.5 credit. SP
Patient evaluation, indications, contraindications, methods of administration, complications and clinical applications associated with local anesthesia, analgesia, and general anesthesia. Includes integration of basic pharmacology.

Third Year (D3)

OMS 316. Oral and Maxillofacial Surgery Clinic 1. 0.5 credits. SU
This clinical experience is dedicated primarily to assistance and observation of D4 students in the performance of oral surgical procedures. Students observe and assist in the diagnosis and treatment of patients presenting surgical conditions and are taught to refer care beyond their training. Demonstration surgery of complicated surgical procedures is performed by faculty for small-group instruction.

OMS 317. Oral and Maxillofacial Surgery 1. 1 credit. FA
This course is designed to prepare each dental student with the ability to evaluate, diagnose, treatment plan and effectively deliver the surgical treatment that is expected of a dental professional. Basic concepts that are covered include: principles of surgical infection control, surgical armamentarium, uncomplicated and complicated dentoalveolar surgery, post-surgical complication recognition and management, and wound healing. Additional topics include: an introduction to orofacial infections and management; pre-prosthetic surgery; biopsy principles and techniques; surgical indications and risks associated with oral surgery; and the development of criteria for seeking consultation either before or after surgery.

OMS 318. Oral and Maxillofacial Surgery Clinic 2. 0.5 credits. FA
This clinical experience is dedicated primarily to assistance and observation of D4 students in the performance of oral surgical procedures. Students observe and assist in the diagnosis and treatment of patients presenting surgical conditions and are taught to refer care beyond their training. Demonstration surgery of complicated surgical procedures is performed by faculty for small-group instruction.

OMS 320. Oral and Maxillofacial Surgery Clinic 3. 0.5 credits. SP
Oral surgery cases are treated as required by each student. Students diagnose and treat patients presenting surgical conditions and are taught to refer care beyond their training. Demonstration surgery of complicated surgical procedures is performed by faculty for small-group instruction.

OMS 329. Physical Diagnosis and Medical Emergencies. 1 credit. SP
This course is designed to develop an understanding of pre-surgical and pre-anesthesia patient assessment. The major components of a medical history are reviewed, including interview principles, elicitation of symptoms, observation of signs and documentation of information. The students are introduced to pre-surgical and pre-anesthesia patient evaluation and risk assessment as it pertains to the major systems-cardiovascular, pulmonary, endocrine, renal and liver, hematopoietic and the cancer patient. Medical emergencies and their management are integrated into the discussion of the major systems-syncope, airway obstruction, laryngospasm, bronchospasm, angina, MI, allergic response, hyperventilation and seizures.

Fourth Year (D4)

OMS 416. Oral and Maxillofacial Surgery Clinic 4. 0.5 credits. SU
Oral surgery cases are treated as required by each student. Students diagnose and treat patients presenting surgical conditions and are taught to refer care beyond their training. Demonstration surgery of complicated surgical procedures is performed by faculty for small-group instruction.

OMS 417. Oral and Maxillofacial Surgery 2. 1 credit. FA
A more extensive coverage of the diagnosis and treatment of orofacial infections, including a discussion of fascial spaces; diagnosis and treatment of orofacial trauma; diagnosis and treatment of skeletal deformities with orthognathic surgery; cleft lip and palate considerations; and surgery of the temporomandibular joint.

OMS 418. Oral and Maxillofacial Surgery Clinic 5. 0.5 credits. FA
Oral surgery cases are treated as required by each student. Students diagnose and treat patients presenting surgical conditions and are taught to refer care beyond their training. Demonstration surgery of complicated surgical procedures is performed by faculty for small-group instruction.

OMS 420. Oral and Maxillofacial Surgery Clinic 6. 0.5 credits. SP
Oral surgery cases are treated as required by each student. Students diagnose and treat patients presenting surgical conditions and are taught to refer care beyond their training. Demonstration surgery of complicated surgical procedures is performed by faculty for small-group instruction.

Pediatric Dentistry and Orthodontics (PDO)

Second Year (D2)

PDO 215. Physical Growth and Development. 1 credit. FA
Growth and development of the craniofacial complex. Developmental anomalies. Postnatal growth with special consideration of development of the primary and permanent dentitions. Etiology of malocclusion.

PDO 231. Pedodontic-Orthodontic Technique. 2 credits. SP
Lecture on the topic of advanced technique for the manipulation of stainless steel material and other materials and appliance used in preventive and interceptive orthodontic procedures. Technique application in the reduction and restoration of tooth structure as applied in the primary, mixed and young permanent dentition.

PDO 232. Pedodontic-Orthodontic Technique Laboratory. 2 credits. SP
This course will feature advanced techniques for the manipulation of stainless steel materials and other materials and appliances used in preventive and interceptive orthodontic procedures. Technique application in the reduction and restoration of tooth structure as applied to the primary, mixed, and young permanent dentitions will also be covered. Finally, several mini-clinics will be conducted throughout the semester which will help prepare students for their D3 year clinical pediatric dentistry experience. Topics will include behavior management, dental assistant utilization, and local anesthesia. This course will conclude with a pediatric dentistry clinic orientation.

Third Year (D3)

PDO 317. Pediatric Dentistry. 2 credits. FA
This course is designed to provide fundamental principles and basic knowledge in pediatric dentistry. Topics include etiology of caries and caries control methods, behavior management, principles of pulpal therapy and restorative dentistry as applied to the child patient, space maintenance, oral surgery for the pediatric patient, adolescent dentistry, child abuse recognition, emergency procedures for trauma and infection, oral lesions and periodontal conditions in children, hospital dentistry, and dentistry for patients with special needs. Particular emphasis will be placed on basic and essential knowledge in providing pediatric dental care by general practitioners.

PDO 318. Pediatric Dentistry Clinic 1. 0.5 credits. SP
Students are assigned to the pediatric dental clinic on a rotating basis. Students participate in seminars and case presentations. Students diagnose pediatric patients, develop treatment plans, and present findings/preventative strategies to patients/parents within the framework of anticipatory guidance. Students demonstrate proficiency in pediatric dentistry by performing comprehensive dental care for patients ranging in age from infancy to middle adolescence as well as special needs patients. Students also receive instruction in dental auxiliary utilization and four handed dentistry.

PDO 319. Principles of Orthodontics and Dento-Facial Growth and Development 1. 1 credit. FA
This course presents an introductory foundation for clinical orthodontics. Great emphasis is placed on orthodontic diagnosis and treatment planning for both children and adults. Students learn to analyze the appropriate orthodontic records and translate the data into problem lists. This will enable the student to determine the degree of the dentofacial disharmony, the timing of the orthodontic intervention, and whether a general dentist or a specialist should provide the treatment. Orthodontic treatment modalities will be introduced, the advantages and disadvantages of each will be discussed as to their application in clinical treatment.

PDO 320. Orthodontic Diagnosis and Treatment Planning Clinic 1. 0.5 credits. SU
This is a clinical course whereby the student will find an orthodontic patient, take the appropriate records, diagnose the problem, and construct a treatment plan to address the orthodontic problem. The student will place the appliances, treat the patient through the removal of the appliances and follow them through the retention problem.

PDO 321. Orthodontics. 1 credit. SP
This course reinforces the foundation for clinical orthodontics. The physiology and mechanics of tooth movement are discussed and methodologies for predicting and modifying growth of patients with skeletal problems are discussed. The classifications of malocclusions are reviewed along with treatment modalities specific to each malocclusion. Philosophies for conventional removable and fixed orthodontic appliances are discussed along with specific mechanical principles of each appliance system. Rationale for possible extraction of teeth to facilitate orthodontic treatment along with the relationship of orthodontic tooth movement to the temporomandibular joint are presented.

PDO 322. Orthodontic Diagnosis and Treatment Planning Clinic 2. 0.5 credits. FA
This is a clinical course whereby the student will find an orthodontic patient, take the appropriate records, diagnose the problem, and construct a treatment plan to address the orthodontic problem. The student will place the appliances, treat the patient through the removal of the appliances and follow them through the retention problem.

PDO 326. Orthodontic Diagnosis and Treatment Planning Clinic 3. 0.5 credits. SP
This is a clinical course whereby the student will find an orthodontic patient, take the appropriate records, diagnose the problem, and construct a treatment plan to address the orthodontic problem. The student will place the appliances, treat the patient through the removal of the appliances and follow them through the retention problem.

Fourth Year (D4)

PDO 411. Principles of Orthodontics and Dento-Facial Growth and Development 2. 1 credit. FA
This course is a continuation of topics covered in the D3 year. Emphasis is placed on evidence-based orthodontics along with new technologies while revisiting the basic background information pertinent to clinical orthodontic treatment. Growth and development of the craniofacial complex will be iterated as it relates to the diagnosis and treatment of patients with congenital abnormalities. Particular consideration is given to recognition of orthodontic situations that will be encountered in the general dental practice. Early and adult treatment are discussed regarding timing and types of treatment for diverse age groups and post-treatment regimens are addressed. Comprehensive orthodontics, inter-discipline dentistry and surgical orthodontics are introduced to indicate the scope of the orthodontic specialty and the key role played by the general practitioner when referring their patients.

PDO 420. Orthodontic Diagnosis and Treatment Planning Clinic 4. 0.5 credits. SU
Building on knowledge and skills attained during the D3 clinical courses the student will find an orthodontic patient, take the appropriate records, diagnose the problem, and construct a treatment plan to address the orthodontic problem. The student will place the appliances, treat the patient through the removal of the appliances and follow them through the retention problem.

PDO 422. Orthodontic Diagnosis and Treatment Planning Clinic 5. 0.5 credits. FA
Building on knowledge and skills attained during the D3 clinical courses the student will find an orthodontic patient, take the appropriate records, diagnose the problem, and construct a treatment plan to address the orthodontic problem. The student will place the appliances, treat the patient through the removal of the appliances and follow them through the retention problem.

PDO 424. Orthodontic Diagnosis and Treatment Planning Clinic 6. 0.5 credits. SP
Building on knowledge and skills attained during the D3 clinical courses the student will find an orthodontic patient, take the appropriate records, diagnose the problem, and construct a treatment plan to address the orthodontic problem. The student will place the appliances, treat the patient through the removal of the appliances and follow them through the retention problem.

PDO 426. Pediatric Dentistry Clinic 2. 0.5 credits. SU
This course is an extension of the D3 year clinical pediatric dentistry experience. Students are assigned to the pediatric dental clinic on a rotating basis. Students treat child patients in a general dentistry setting and participate in seminars. A continuum of proficiency and independence is expected in providing comprehensive dental care for the pediatric population and special needs patients. Dental auxiliary utilization and four handed dentistry are included.

PDO 428. Pediatric Dentistry Clinic 3. 0.5 credits. FA
This course is an extension of the D3 year clinical pediatric dentistry experience. Students are assigned to the pediatric dental clinic on a rotating basis. Students treat child patients in a general dentistry setting and participate in seminars. A continuum of proficiency and independence is expected in providing comprehensive dental care for the pediatric population and special needs patients. Dental auxiliary utilization and four handed dentistry are included.

Periodontics (PER)

First Year (D1)

PER 110. Periodontal Instrumentation. 2.5 credits. SP
Introduction to basic examination and periodontal armamentarium focusing on operatory set-up, operator and patient positioning, and instrument selection and use.

Second Year (D2)

PER 210. Scaling and Polishing. 1 credit. SU
This course will introduce D2 year dental students to clinical procedures with emphasis on dental prophylaxis and periodontal instrumentation.

PER 217. Periodontology 1. 1 credit. FA
This course presents the ultra structural features of the healthy periodontium and contrasts those with that found in periodontal diseases. The student is introduced to the diagnosis of periodontal diseases as well as the relevant etiology and contributory factors.

PER 219. Periodontology 2. 1 credit. SP
This course presents the integration of treatments of periodontal diseases in the framework of treatment planning for dental and oral issues in general. The student is introduced to case-based analysis and treatment planning.

Third Year (D3)

PER 316. Periodontics Clinic 1. 0.5 credits. SU
Clinical practice of periodontal therapeutic procedures.

PER 317. Periodontology 3. 1 credit. FA
This course reviews materials for INBD; periodontal diagnosis, etiology, contributing factors, classification, treatment planning, and covers basics in periodontal surgeries such as flap surgeries, guided tissue regeneration, crown lengthening (exposure) and soft tissue grafts. Case based treatment planning and referral to different specialists are also covered in this course.

PER 318. Periodontics Clinic 2. 1 credit. FA
Clinical practice of periodontal therapeutic procedures.

PER 319. Periodontology 4. 1 credit. SP
This course covers fundamentals for dental implant treatment planning and surgeries. Introduction to implant related surgeries, sinus augmentation, ridge preservation and guided bone regeneration are covered in this course. Case based treatment planning in respect to phases of treatment are also included in this course.

PER 320. Periodontics Clinic 3. 1 credit. SP
Clinical practice of periodontal therapeutic procedures.

Fourth Year (D4)

PER 420. Periodontics Clinic 4. 0.5 credits. SU
Clinical practice of periodontal therapeutic procedures.

PER 421. Periodontology 5. 1 credit. FA
This course is a general review of periodontics, including a more extensive coverage of periodontal anatomy, relevant immunology, pathology, diagnosis, treatment planning and management or periodontal diseases.

PER 422. Periodontics Clinic 5. 1 credit. FA
Clinical practice of periodontal therapeutic procedures.

PER 424. Periodontics Clinic 6. 1 credit. SP
Clinical practice of periodontal therapeutic procedures.

Prosthodontics (PRS)

First Year (D1)

PRS 111. Occlusion. 1 credit. SP
Basic principles of maxillo-mandibular relationships, static and functional, as related to the occlusal surfaces of the teeth.

PRS 112. Occlusion Laboratory. 3 credits. SP
Exercises simulating clinical diagnostic and treatment procedures are employed to exemplify principles of maxillo-mandibular relationships.

Second Year (D2)

PRS 235. Fixed Prosthodontics 1. 1 credit. SU
This course covers all the fundamentals of fixed prosthodontics with main emphasis on the principles, terminology, materials, and the procedures of fixed prosthodontics. Added to that are the didactics of the core laboratory procedures needed to help the student understand the processes of fixed prosthodontics from the beginning of a procedure to the end.

PRS 236. Fixed Prosthodontics Laboratory 1. 3 credits. SU
This course covers all the fundamentals of fixed prosthodontics with main emphasis on the principles and skills of clinical dentistry. Added to that are the core laboratory procedures needed to help the student understand the processes of fixed prosthodontics from the beginning of a procedure to the end. Basic preparation of teeth, impressions, and fabricating provisional and permanent restorations using a manikin make up much of the course work.

PRS 237. Fixed Prosthodontics 2. 1.5 credit. FA
This course continues to cover all the fundamentals of fixed prosthodontics with main emphasis on the principles, terminology, materials, and the procedures of fixed prosthodontics. Added to that are the didactics of the core laboratory procedures needed to help the student understand the processes of fixed prosthodontics from the beginning of a procedure to the end.

PRS 238. Fixed Prosthodontics Laboratory 2. 3 credits. FA
This course continues to cover all the fundamentals of fixed prosthodontics with main emphasis on the principles and skills of clinical dentistry. Added to that are the core laboratory procedures needed to help the student understand the processes of fixed prosthodontics from the beginning of a procedure to the end. Basic preparation of teeth, impressions, and fabricating provisional and permanent restorations using a manikin make up much of the course work.

PRS 239. Fundamental Principles of Partial Edentulism. 1 credit. SU
This lecture-based course introduces the foundational principles of a comprehensive, patient-centered approach to treatment for individuals transitioning into partial edentulism. Students will explore the four major classifications of partial edentulism and gain an understanding of prosthetic design through the use of dental surveying techniques. Emphasis is placed on evaluating various restorative options for edentulous spaces with a focus on clinical application and treatment planning.

PRS 240. Fundamental Principles of Partial Edentulism Laboratory. 3 credits. SU
This laboratory course focuses on the application of treatment planning and restorative techniques for patients transitioning into partial edentulism. Students will engage in simulation-based exercises to fabricate provisional restorations for the partially edentulous mouth. Emphasis is placed on holistic treatment planning, critical analysis of restorative options, and the comparison of treatment modalities to support sound clinical decision-making.

PRS 241. Implant Fundamentals. 0.5 credits. FA
This course is a continuation into the fundamentals of implantology. The history of implant usage in dentistry and the physiological basis for success are presented. This is followed by a description of procedures required for treatment planning, surgical placement, prosthetic restoration, and outcomes assessment.

PRS 242. Implant Fundamentals Laboratory. 1.5 credit. FA
This laboratory course is a continuation into the fundamentals of implantology. The laboratory experiences are designed to reinforce implant concepts and procedures presented during the Implant Fundamentals 2 lecture. The laboratory includes exercises in implant component identification, virtual implant treatment planning, surgical placement, prosthetic restoration, and outcomes assessment.

PRS 243. Partial Removable Dental Prosthesis: Design, Survey and Intro to Treatment Planning/Sequencing. 0.5 credits. FA
This course covers all of the basic principles of the mechanics involved in partial removable dental prosthesis construction with survey and design. These principles, where possible, will be exemplified with appropriate lectures, laboratories, and learning exercises. Learning exercises with a dental surveyor are designed to project the information directly onto diagnostic casts. Basic preparation of teeth to accept and/or enhance certain design types will be entertained on diagnostic stone casts. This is followed by cast preparation and total outlining of partial frameworks for each of the four classifications of partial dentures II.

PRS 246. Partial Removable Dental Prosthesis Laboratory. 1.5 credit. FA
This course continues with the basic principles of the mechanics involved in partial removable dental prosthesis construction. These principles, where possible, will be exemplified with appropriate lectures, laboratories, and learning exercises. Learning exercises with a dental surveyor are designed to project the information directly onto diagnostic casts. Basic preparation of teeth to accept and/or enhance certain design types will be entertained on diagnostic stone casts. This is followed by cast preparation and total outlining of partial frameworks for each of the four classifications of partial dentures.

PRS 247. Complete Denture Prosthodontics 1. 1 credit. FA
The lecture and laboratory courses are designed to familiarize the student with the process of making interim/immediate dentures and learning tooth-setting principles for completely edentulous patients. The basic clinical steps and laboratory procedures will be covered in lecture and lab to satisfy the functional and esthetic needs of the edentulous patient.

PRS 248. Complete Denture Prosthodontics Laboratory 1. 3 credits. FA
The lecture and laboratory courses are designed to familiarize the student with the process of making interim/immediate dentures and learning tooth-setting principles for completely edentulous patients. The basic clinical steps and laboratory procedures will be covered in lecture and lab to satisfy the functional and esthetic needs of the edentulous patient.

PRS 249. Complete Denture Prosthodontics 2. 1.5 credit. SP
The lecture and laboratory courses are designed to familiarize the student with the process of making interim/immediate dentures and learning tooth-setting principles for completely edentulous patients. The basic clinical steps and laboratory procedures will be covered in lecture and lab to satisfy the functional and esthetic needs of the edentulous patient.

PRS 251. Fixed Prosthodontics 3. 1 credit. SP
Study of the basic restorations involved in restoring oral function by use of fixed prostheses.

PRS 250. Complete Denture Prosthodontics Laboratory 2. 4 credits. SP
The lecture and laboratory courses are designed to familiarize the student with the process of making interim/immediate dentures and learning tooth-setting principles for completely edentulous patients. The basic clinical steps and laboratory procedures will be covered in lecture and lab to satisfy the functional and esthetic needs of the edentulous patient.

PRS 252. Fixed Prosthodontics Laboratory 3. 3 credits. SP
Participation in technical exercises designed to provide experience in the construction of basic fixed prosthodontic restorations.

Third Year (D3)

PRS 305. Prosthetic Digital Design. 0.5 credits. SP
The course allows students to apply foundational knowledge towards digital technologies as it applies to prosthodontic topics including dentures, implants, splints, fixed, and partial dentures. Applying digital design principles to fixed and removable prosthetics, students will have the ability to understand image acquisition, processing files, designing prosthetics, and understanding the 3-D printing and milling work flow.

PRS 334. Removable Prosthodontics Clinic 1. 0.5 credits. SU
Removable Prosthodontics includes the replacement of missing teeth and associated structures with complete and/or partial dentures. It may also include the insertion of immediate dentures and transitional dentures. Post insertion care will also be provided which may involve adjusting the denture base and/or the occlusion, and the resetting and/or changing of teeth. It may also involve relining or rebasing the denture if the adaptation of the denture base to the tissues is inadequate. The comfort of the patient, reflected by the health of the supporting tissues, function, and esthetics are the criteria evaluating the success of the dentures.

PRS 335. Removable Partial Dentures. 1 credit. FA
Advanced course in removable partial dentures. Emphasis is given to clinical procedures such as diagnosis, treatment planning, mouth preparations, impressions, jaw relation records, framework adaptation, and occlusion. Infection control and relining of partial dentures are also discussed.

PRS 336. Removable Prosthodontics Clinic 2. 1 credit. FA
Removable Prosthodontics includes the replacement of missing teeth and associated structures with complete and/or partial dentures. It may also include the insertion of immediate dentures and transitional dentures. Post insertion care will also be provided which may involve adjusting the denture base and/or the occlusion, and the resetting and/or changing of teeth. It may also involve relining or rebasing the denture if the adaptation of the denture base to the tissues is inadequate. The comfort of the patient, reflected by the health of the supporting tissues, function, and esthetics are the criteria evaluating the success of the dentures.

PRS 337. Prosthodontic Clinical/Laboratory Review. 0.5 credits. SU
This course is a review of the basic principles of fixed, implants, partials, and complete dentures. These specific principles, where possible, will be exemplified with clinical and lab reviews. Students will have the ability to bring treatments in various stages to help facilitate questions and answers.

PRS 338. Removable Prosthodontics Clinic 3. 1 credit. SP
Removable Prosthodontics includes the replacement of missing teeth and associated structures with complete and/or partial dentures. It may also include the insertion of immediate dentures and transitional dentures. Post insertion care will also be provided which may involve adjusting the denture base and/or the occlusion, and the resetting and/or changing of teeth. It may also involve relining or rebasing the denture if the adaptation of the denture base to the tissues is inadequate. The comfort of the patient, reflected by the health of the supporting tissues, function, and esthetics are the criteria evaluating the success of the dentures.

PRS 339. Fixed Prosthodontics 4. 1 credit. FA
Planning and design of various fixed restorations pertinent to complete oral health, stressing masticatory function. Discussion of clinical application of basic techniques and introduction of more advanced and complex techniques employed in the construction of fixed bridges and ceramic restorations.

PRS 340. Fixed Prosthodontics Clinic 1. 0.5 credits. SU
This course completes the transition from benchtop/manikin work accomplished in year one and two. Along with close supervision from a faculty member of the Fixed Prosthodontic Department, the student will begin and complete units (Fixed restorations) with emphasis on ethical patient care. Basic preparation of teeth, impressions and fabricating provisional and permanent restorations make up most of the course work. Endo-posts, substructures and implant restorations are also included.

PRS 342. Fixed Prosthodontics Clinic 2. 1 credit. FA
This course completes the transition from benchtop/manikin work accomplished in year one and two. Along with close supervision from a faculty member of the Fixed Prosthodontic Department, the student will begin and complete units (Fixed restorations) with emphasis on ethical patient care. Basic preparation of teeth, impressions and fabricating provisional and permanent restorations make up most of the course work. Endo-posts, substructures and implant restorations are also included.

PRS 343. Fixed Prosthodontics 5. 0.5 credits. SP
Planning and design of various fixed restorations pertinent to complete oral health, stressing masticatory function. Discussion of clinical application of basic techniques and introduction of more advanced and complex techniques employed in the construction of fixed bridges and ceramic restorations.

PRS 344. Fixed Prosthodontics Clinic 3. 1 credit. SP
This course completes the transition from benchtop/manikin work accomplished in year one and two. Along with close supervision from a faculty member of the Fixed Prosthodontic Department, the student will begin and complete units (Fixed restorations) with emphasis on ethical patient care. Basic preparation of teeth, impressions and fabricating provisional and permanent restorations make up most of the course work. Endo-posts, substructures and implant restorations are also included.

PRS 345. Advanced Maxillofacial Prosthetic Reconstruction. 1 credit. SP
Advanced course in complete denture procedures with emphasis on the clinical procedures necessary to satisfy the functional esthetic needs of the edentulous patient. Immediate, interim and treatment dentures as well as relines, rebases and repair procedures are discussed. An overview of overdentures and implant prosthesis provided.

PRS 347. Advanced Occlusion. 0.5 credits. SP
Topics such as posterior support and anterior guidance will be discussed. The student will learn to identify "pathologic occlusion." The principles of occlusal analysis will be presented and the results applied to establishing proper occlusal schemes when restoring edentulous spaces and when placing single unit fixed restorations.

Fourth Year (D4)

PRS 421. Advanced Implantology. 1 credit. FA
This course presents continuing education level lectures covering implant topics of great interest to practicing dentists.

PRS 423. Advanced Clinical Dentistry. 1 credit. FA
This course emphasizes comprehensive dental care delivered by both specialists and generalists by addressing the multi-disciplinary needs of the patient. Information may be new, advanced, controversial, or unique. This diverse staging examines and addresses complex issues in a somewhat different environment and assists in the preparation for Part II of the National Board.

PRS 434. Removable Prosthodontics Clinic 4. 0.5 credits. SU
Removable Prosthodontics includes the replacement of missing teeth and associated structures with complete and/or partial dentures. It may also include the insertion of immediate dentures and transitional dentures. Post insertion care will also be provided which may involve adjusting the denture base and/or the occlusion, and the resetting and/or changing of teeth. It may also involve relining or rebasing the denture if the adaptation of the denture base to the tissues is inadequate. The comfort of the patient, reflected by the health of the supporting tissues, function, and esthetics are the criteria evaluating the success of the dentures.

PRS 436. Removable Prosthodontics Clinic 5. 1 credit. FA
Removable Prosthodontics includes the replacement of missing teeth and associated structures with complete and/or partial dentures. It may also include the insertion of immediate dentures and transitional dentures. Post insertion care will also be provided which may involve adjusting the denture base and/or the occlusion, and the resetting and/or changing of teeth. It may also involve relining or rebasing the denture if the adaptation of the denture base to the tissues is inadequate. The comfort of the patient, reflected by the health of the supporting tissues, function, and esthetics are the criteria evaluating the success of the dentures.

PRS 438. Removable Prosthodontics Clinic 6. 1 credit. SP
Removable Prosthodontics includes the replacement of missing teeth and associated structures with complete and/or partial dentures. It may also include the insertion of immediate dentures and transitional dentures. Post insertion care will also be provided which may involve adjusting the denture base and/or the occlusion, and the resetting and/or changing of teeth. It may also involve relining or rebasing the denture if the adaptation of the denture base to the tissues is inadequate. The comfort of the patient, reflected by the health of the supporting tissues, function, and esthetics are the criteria evaluating the success of the dentures.

PRS 440. Fixed Prosthodontics Clinic 4. 0.5 credits. SU
This course completes the transition from benchtop/manikin work accomplished in year one and two, along with the introductory clinic work of year three to the practice of the art and science of clinical dentistry. Along with close supervision from a faculty member of the Fixed Prosthodontic Department, the student will begin and complete units (fixed restorations) with emphasis on ethical patient care. Basic preparation of teeth, impressions and fabricating provisional and permanent restorations make up much of the course work. Endoposts, substructures, bite splints and implant restorations are also included.

PRS 442. Fixed Prosthodontics Clinic 5. 1 credit. FA
This course completes the transition from benchtop/manikin work accomplished in year one and two, along with the introductory clinic work of year three to the practice of the art and science of clinical dentistry. Along with close supervision from a faculty member of the Fixed Prosthodontic Department, the student will begin and complete units (fixed restorations) with emphasis on ethical patient care. Basic preparation of teeth, impressions and fabricating provisional and permanent restorations make up much of the course work. Endoposts, substructures, bite splints and implant restorations are also included.

PRS 444. Fixed Prosthodontics Clinic 6. 1 credit. SP
This course completes the transition from benchtop/manikin work accomplished in year one and two, along with the introductory clinic work of year three to the practice of the art and science of clinical dentistry. Along with close supervision from a faculty member of the Fixed Prosthodontic Department, the student will begin and complete units (fixed restorations) with emphasis on ethical patient care. Basic preparation of teeth, impressions and fabricating provisional and permanent restorations make up much of the course work. Endoposts, substructures, bite splints and implant restorations are also included.

Elective Courses

A number of elective courses are offered by various departments to meet the expressed interests of both faculty and students. Elective courses, unless included in the foregoing list of departments and courses, are optional and carry no credit, and though they are credited on transcripts, they do not figure in grade-point averages.

Synopsis of Courses and Hours of Instruction

Credit hours, in general, are assigned on the following basis: Lectures and seminars - 1 hour of credit for each hour of contact per week per quarter (8-week period). Laboratories and clinics - 1/2 hour of credit for each hour of contact per week per quarter (8-week period).

The credit hours represent the annual cumulative total for each academic year (two semesters). The approximate semester credit hour total can be derived by dividing this number by two. The first semester of the second year (D2), third year (D3), and fourth year (D4) also includes courses offered during a summer session.

Approximate Division of Time (By Clock Hours)

	Lecture/ Seminar	Lab.	Field/Clinic	Total Hours
First Year (D1)	344	328	16	688
Second Year (D2)	371	413	16	800
Third Year (D3)	418	0	1204	1622
Fourth Year (D4)	152	0	1404	1556

DDS DEgree Requirements (234.5 Credits):

Code	Title	Credits
FIRST DENTAL YEAR		
FALL TERM D1		
CPD 107	Interpersonal Relationships and Communication	1
CPD 109	Preventive Dentistry	1
CPD 110	Community Dentistry Field Experience 1	2
CPD 119	Mindfulness and Wellbeing	0.5
GDP 121	Introduction to Comprehensive Person-Centered Care 1	1
GDS 109	Dental Anatomy and Principles of Restorative Dentistry	2
GDS 110	Dental Anatomy and Principles of Restorative Dentistry Laboratory	6
GDS 111	Dental Materials and Introduction to Operative Dentistry 1	1
GDS 112	Dental Materials and Introduction to Operative Dentistry Laboratory 1	3
ORB 121	Histology	6
ORB 123	General Gross Anatomy	7
ORB 125	Introduction to Conduct of Research	2.5
ORB 127	Physiology	3.5
SPRING TERM D1		
CPD 112	Community Field Experience 2	1
CPD 129	Compassion Science	0.5
GDP 123	Introduction to Comprehensive Person-Centered Care 2	1
GDS 119	Dental Materials and Introduction to Operative Dentistry 2	1
GDS 120	Dental Materials and Introduction to Operative Dentistry Laboratory 2	3
ORB 145	Head and Neck Anatomy	7
ORB 147	Oral Histology and Embryology	5.5
ORB 149	Biochemistry	4
ORB 151	Nutrition	1
ORB 153	General Neuroscience	2
PER 110	Periodontal Instrumentation	2.5
PRS 111	Occlusion	1
PRS 112	Occlusion Laboratory	3
SECOND DENTAL YEAR		
SUMMER TERM D2		
DAR 223	General Pathology 1	1.5
DAR 227	Infectious Disease Control	0.5
GDP 221	Foundations of Comprehensive Person-Centered Care 1	0.5
PER 210	Scaling and Polishing	1
PRS 235	Fixed Prosthodontics 1	1
PRS 236	Fixed Prosthodontics Laboratory 1	3
PRS 239	Fundamental Principles of Partial Edentulism	1
PRS 240	Fundamental Principles of Partial Edentulism Laboratory	3
FALL TERM D2		
DAR 221	Radiology	2
DAR 222	Radiology Clinic 1	5
DAR 225	General Pathology 2	3
END 211	Pulp Biology and Endodontics	1
GDO 215	Operative Dentistry 1	2
GDO 216	Operative Dentistry Laboratory 1	6
GDP 223	Foundations of Comprehensive Person-Centered Care 2	1
IPE 530	Foundations of Ethical Care	1
ORB 215	Microbiology	3.5
PDO 215	Physical Growth and Development	1
PER 217	Periodontology 1	1
PRS 237	Fixed Prosthodontics 2	1.5
PRS 238	Fixed Prosthodontics Laboratory 2	3

PRS 241	Implant Fundamentals	0.5
PRS 242	Implant Fundamentals Laboratory	1.5
PRS 243	Partial Removable Dental Prosthesis: Design, Survey and Intro to Treatment Planning/ Sequencing	0.5
PRS 246	Partial Removable Dental Prosthesis Laboratory	1.5
PRS 247	Complete Denture Prosthodontics 1	1
PRS 248	Complete Denture Prosthodontics Laboratory 1	3
SPRING TERM D2		
DAR 226	Radiology Clinic 2	0.5
DAR 229	Oral Diagnosis and Treatment Planning	2
DAR 233	Oral Pathology 1	4
END 227	Endodontic Techniques	1
END 228	Endodontics Laboratory	3
GDO 217	Operative Dentistry 2	2
GDO 218	Operative Dentistry Laboratory 2	5
GDP 225	Foundations of Comprehensive Person-Centered Care 3	1
OMS 221	Pain Control and Anesthesia	1.5
ORB 229	Pharmacology	2
PDO 231	Pedodontic-Orthodontic Technique	2
PDO 232	Pedodontic-Orthodontic Technique Laboratory	2
PER 219	Periodontology 2	1
PRS 249	Complete Denture Prosthodontics 2	1.5
PRS 250	Complete Denture Prosthodontics Laboratory 2	4
PRS 251	Fixed Prosthodontics 3	1
PRS 252	Fixed Prosthodontics Laboratory 3	3
THIRD DENTAL YEAR		
SUMMER TERM D3		
CPD 315	Behavioral Science Aspects of Patient Care	0.5
DAR 311	Radiographic Interpretation	1
DAR 320	Applied Treatment Planning	0.5
DAR 326	Oral Diagnosis and Treatment Planning Clinic 1	0.5
END 318	Endodontic Clinic 1	0.5
GDD 320	Acute Care Clinic 1	0.5
GDO 317	Introduction to the Acute Care Clinic	0.5
GDO 326	Operative Dentistry Clinic 1	0.5
OMS 316	Oral and Maxillofacial Surgery Clinic 1	0.5
GDP 320	Applied Comprehensive Person-Centered Care 1	0
PDO 320	Orthodontic Diagnosis and Treatment Planning Clinic 1	0.5
PER 316	Periodontics Clinic 1	0.5
PRS 334	Removable Prosthodontics Clinic 1	0.5
PRS 337	Prosthodontic Clinical/Laboratory Review	0.5
PRS 340	Fixed Prosthodontics Clinic 1	0.5
FALL TERM D3		
CPD 308	Community Dentistry Field Experience 3	0.5
DAR 317	Dental Management of Medically Complex Patients	1
DAR 328	Oral Diagnosis and Treatment Planning Clinic 2	1
END 311	Endodontic Problem Solving	1
END 320	Endodontic Clinic 2	1
GDD 322	Acute Care Clinic 2	0.5
GDO 325	Operative Dentistry 3	1
GDO 328	Operative Dentistry Clinic 2	1
GDP 322	Applied Comprehensive Person-Centered Care 2	0
OMS 317	Oral and Maxillofacial Surgery 1	1
OMS 318	Oral and Maxillofacial Surgery Clinic 2	0.5
ORB 315	Dental Pharmacology	2
PDO 317	Pediatric Dentistry	2
PDO 319	Principles of Orthodontics and Dento-Facial Growth and Development 1	1
PDO 322	Orthodontic Diagnosis and Treatment Planning Clinic 2	0.5
PER 317	Periodontology 3	1
PER 318	Periodontics Clinic 2	1
PRS 335	Removable Partial Dentures	1
PRS 336	Removable Prosthodontics Clinic 2	1
PRS 339	Fixed Prosthodontics 4	1
PRS 342	Fixed Prosthodontics Clinic 2	1
SPRING TERM D3		
CPD 310	Community Dentistry Field Experience 4	0.5
CPD 327	Practice Planning	1
CPD 329	Public Health Dentistry	1
DAR 330	Oral Diagnosis and Treatment Planning Clinic 3	1
DAR 333	Temporomandibular Disorders/Orofacial Pain	1
END 322	Endodontic Clinic 3	1
GDD 324	Acute Care Clinic 3	0.5
GDO 329	Operative Dentistry 4	1
GDO 330	Operative Dentistry Clinic 3	1
GDP 324	Applied Comprehensive Person-Centered Care 3	0
IPE 531	Ethics in Professional Practice	1
IPE 532	Ethics in Health Systems	1
OMS 320	Oral and Maxillofacial Surgery Clinic 3	0.5
OMS 329	Physical Diagnosis and Medical Emergencies	1
ORB 337	Evidence-Based Dental Care: Understanding and Evaluating Dental Research	1
PDO 318	Pediatric Dentistry Clinic 1	0.5
PDO 321	Orthodontics	1
PDO 326	Orthodontic Diagnosis and Treatment Planning Clinic 3	0.5
PER 319	Periodontology 4	1
PER 320	Periodontics Clinic 3	1
PRS 305	Prosthetic Digital Design	0.5
PRS 338	Removable Prosthodontics Clinic 3	1
PRS 343	Fixed Prosthodontics 5	0.5
PRS 344	Fixed Prosthodontics Clinic 3	1
PRS 345	Advanced Maxillofacial Prosthetic Reconstruction	1
PRS 347	Advanced Occlusion	0.5
FOURTH DENTAL YEAR		
SUMMER TERM D4		
CPD 406	Community Dentistry Field Experience 5	0.5
DAR 408	Oral Diagnosis and Treatment Planning Clinic 4	0.5
DAR 411	Oral Pathology 2	1
END 416	Endodontic Clinic 4	0.5
GDD 420	Acute Care Clinic 4	0.5

GDO 418	Operative Dentistry Clinic 4	0.5
GDP 420	Advanced Comprehensive Person-Centered Care 1	0
OMS 416	Oral and Maxillofacial Surgery Clinic 4	0.5
ORB 415	Practical Pharmacotherapeutics for the Dentist	0.5
PDO 420	Orthodontic Diagnosis and Treatment Planning Clinic 4	0.5
PDO 426	Pediatric Dentistry Clinic 2	0.5
PER 420	Periodontics Clinic 4	0.5
PRS 434	Removable Prosthodontics Clinic 4	0.5
PRS 440	Fixed Prosthodontics Clinic 4	0.5
FALL TERM D4		
CPD 408	Community Dentistry Field Experience 6	0.5
CPD 417	Business of Practice	1
DAR 410	Oral Diagnosis and Treatment Planning Clinic 5	1
END 411	Advanced Endodontics, Surgery, and Review	0.5
END 418	Endodontic Clinic 5	1
GDD 422	Acute Care Clinic 5	0.5
GDO 420	Operative Dentistry Clinic 5	1
GDP 422	Advanced Comprehensive Person-Centered Care 2	0
OMS 417	Oral and Maxillofacial Surgery 2	1
OMS 418	Oral and Maxillofacial Surgery Clinic 5	0.5
PDO 411	Principles of Orthodontics and Dento-Facial Growth and Development 2	1
PDO 422	Orthodontic Diagnosis and Treatment Planning Clinic 5	0.5
PDO 428	Pediatric Dentistry Clinic 3	0.5
PER 421	Periodontology 5	1
PER 422	Periodontics Clinic 5	1
PRS 421	Advanced Implantology	1
PRS 423	Advanced Clinical Dentistry	1
PRS 436	Removable Prosthodontics Clinic 5	1
PRS 442	Fixed Prosthodontics Clinic 5	1
SPRING TERM D4		
CPD 410	Community Dentistry Field Experience 7	0.5
DAR 412	Oral Diagnosis and Treatment Planning Clinic 6	1
END 420	Endodontic Clinic 6	1
GDD 424	Acute Care Clinic 6	0.5
GDO 422	Operative Dentistry Clinic 6	1
GDP 424	Advanced Comprehensive Person-Centered Care 3	0
OMS 420	Oral and Maxillofacial Surgery Clinic 6	0.5
PDO 424	Orthodontic Diagnosis and Treatment Planning Clinic 6	0.5
PER 424	Periodontics Clinic 6	1
PRS 438	Removable Prosthodontics Clinic 6	1
PRS 444	Fixed Prosthodontics Clinic 6	1
Total Credits		**234.5**