

DENTISTRY PROFESSIONAL (DENT)

Courses

DENT 6305 Operative Dentistry I Lecture Credit: 1

An introduction to the prevention and principles of the restorative treatment of dental caries.

DENT 6305L Operative Dentistry I Laboratory Credits: 2

Restorative procedures discussed in DENT 6305 are performed on laboratory manikins.

DENT 6306 Transitions: Charting Your Professional Future I Credits: 0.5

This course is the first in a sequence of courses throughout the dental education curriculum designed to prepare the graduate dentist in the knowledge, skills and values of ethics, professionalism and practice management. The courses use self-assessment and strategic planning as foundations and lead the students through identification of personal and professional aspirations, and culminate in building each student's competence in dental practice management.

DENT 6307 Transitions: Charting Your Professional Future II Credits: 0.5

This course is the second in a sequence of courses throughout the dental education curriculum designed to prepare the graduate dentist in the skills and values of professionalism, practice management and ethics. This course builds on strategic planning foundation to gain an understanding of personal financial management in the context of personal and professional goals in the field of dentistry.

DENT 6310C Patient Care I Credits: 3

This course introduces the dental student to the foundation knowledge and skills and values for the provision of oral health care. This includes infection control, cubicle set-up and breakdown, dental assisting, patient/operator positioning, patient vital signs, radiographic techniques, patient communication and basic concepts of oral health and disease. Students will assist third and fourth year students in various clinical areas after appropriate preparation, and will provide oral hygiene instruction for elementary age students.

DENT 6312 Dental Behavioral Science Credits: 1-2

An introduction to the basic principles of behavioral science as they relate to oral self-care and professional practice. Topics include basic principles of human behavior, adherence, motivational interviewing, dental fears, chronic orofacial pain, and conflict management. Students will complete an in-depth motivational case report and a communication competency exam with selected patients.

DENT 6313 Applied Biochemistry Credits: 4

This is a course geared to the biomedical foundation knowledge of dental students. The course is composed of six sections focused on clinically important topic areas each culminating with a clinical presentation. Course content will intentionally emphasize new knowledge areas in cancer, inflammation, genetic diseases, metabolic diseases, mineralized tissues in health and disease, oral health, hormone action, and blood coagulation/wound healing.

Prerequisites: an Undergraduate Biochemistry course.

DENT 6314C Patient Care II Credits: 2

This course builds on the skills introduced in DENT 6310C with a review and the continuation of the clinical rotations. In addition, students will learn the steps of a basic oral diagnosis, and will demonstrate their understanding with graded peer exams and by performing selected portions of a diagnosis on two clinic patients with the assistance of a 3rd or 4th year dental student.

DENT 6315C Patient Care III Credits: 3

This course introduces preventive theory necessary to provide patient care. Students are introduced to fundamental clinical procedures including dental deposits, gingival assessment, identification and classification of periodontal diseases, and periodontal probing. The information learned in this course continues in fall, second year (Patient Care IV) where student are introduced to basic periodontal instrumentation skills to assess and treat simple patients.

DENT 6316 Dental Morphology Credits: 3

The Dental Morphology lecture/laboratory course introduces the student to the anatomy of the oral cavity and structures of the stomatognathic system. A thorough review of dental anatomy and dental terminology of the primary and permanent dentition is presented. The students' knowledge of dental morphology is reinforced by constructing wax models of the permanent dentition.

DENT 6317 Fundamentals of Occlusion and Fixed Prosthodontics Credits: 3

This lecture laboratory course will review the fundamental principles of dental occlusion, the anatomy and function of the stomatognathic system, and foundational knowledge of fixed prosthodontics.

DENT 6319 Ethics and Professionalism Credit: 1

An introduction to basic concepts of ethics and professionalism. Systems of ethical decision making are introduced and applied in the context of oral health care and interprofessional practice. Students will explore their own ethical values and apply this knowledge to issues in professional education.

DENT 6328 Clinical Decision Making in Dentistry Credits: 1-2

An experiential course that uses current controversies to facilitate development of skills needed for making valid decision in clinical dentistry. Students will apply basic principles of database searching, research design and methodology to the critical analysis of contemporary dental literature. This one-hour course will: 1) Provide the student with training to perform successfully on the portions of the national boards that deal with research design and methodology; and, 2) give the student skills sufficient to search for, locate, and evaluate valid information related to clinical questions in contemporary dentistry.

DENT 6350 Introduction To The Histopathology Of Oral Tissues Credits: 2

A comparison of the microscopic anatomy of healthy and diseased oral tissues.

DENT 6352 Patient Care IV Credit: 1

Students will apply skills and didactic knowledge learned in previous lecture and lab courses to a clinical setting. Students will perform dental procedures in a clinic-based project to further enhance their clinical skills. The students will have multiple patient-based experiences, which may include recall exams, oral health risk screenings, prophylaxis, and operative procedures. This course will prepare the student to transition to patient care.

DENT 6360 Wellness Strategies and Practice for Dental Professionals Credit: 1

Dental students will obtain social, cognitive and emotional knowledge and skills to effectively navigate an academically rigorous environment. Students will learn basic theories for stress management, explore interventions for stress management and engage in the practice of intervention skills. Students will benefit from behavior modification techniques gained in the course and be able to transfer those skills to enhance communication and interpersonal interactions during patient care.

DENT 6390 Dental Research Experience Credit: 1

This mentored study course focuses upon experience gained in both an area of dental research as well as the process of research in working with an established dental researcher.

Prerequisites: Acceptance into Summer Scholars Program

DENT 6402 Transitions: Charting Your Professional Future III Credits: 0.5

This course is the third in a sequence of courses throughout the dental education curriculum designed to prepare the graduate dentist in the skills and values of professionalism, practice management and ethics. This course builds on strategic planning foundation established in year one to gain an understanding planning for development of a dental practice.

DENT 6403 Transitions: Charting Your Professional Future IV Credits: 0.5

This course is the fourth in a sequence of courses throughout the dental education curriculum designed to prepare the graduate dentist in the skills and values of professionalism, practice management and ethics. This course continues the strategic planning framework as the dental practice business plan is developed. The focus for this course is on managing the finances of a dental practice.

DENT 6410 Operative Dentistry II Lecture Credit: 1

A continuation of DENT 6305. Principles of cavity preparation, materials and techniques are stressed.

DENT 6410L Operative Dentistry II Laboratory Credits: 2

A continuation of DENT 6305L. Restorative procedures are performed on laboratory manikins and extracted teeth.

DENT 6411 Advanced Restorative Dentistry I Credit: 1

This course introduces students to the materials, procedures, and concepts to aesthetically optimize a patient's oral health and function within the context of comprehensive person-centered care. This includes evaluation of the patient from diagnosis, treatment planning, and treatment options utilizing traditional and digital dentistry with emphasis on the importance of patient diversity, values, norms, and goals.

DENT 6412 Introduction to Oral Surgery & Pain Management I Credit: 1

This course introduces students to foundational concepts of oral surgery and pain management. The course consists of lectures, demonstration and pre-clinical practice and simulation in the safe and effective use of local anesthetics in dentistry and basic intraoral surgical procedures. This course includes patient assessment for intraoral procedures, and instrumentation and techniques required to anesthetize a patient and extract teeth. Students will participate in practical experiences to begin to build skills in the necessary techniques to manage patient's pain and perform basic surgical procedures.

DENT 6414 Pathology I Lecture Credits: 4

The general etiology of disease; circulatory and metabolic disorders; degenerative processes; inflammation; infection and immunity; tumors; and organ system pathology.

DENT 6415 Pathology II Credits: 2

A study of developmental defects, inflammatory diseases, and neoplasia of the oral region.

DENT 6416 Complete Removable Prosthodontics Credit: 1

This course will introduce the dental student to concepts and procedures involved in the rehabilitation of the completely edentulous patient. Information presented will include proper clinical examination techniques, an evaluation of the findings and their impact on treatment and treatment options. The student will become familiar with the clinical steps involved in the fabrication of complete dentures and the rationale supporting these procedures. Laboratory steps as they relate to clinical treatment procedures will also be discussed. There will be additional information presented regarding single complete dentures, immediate dentures, overdentures, implant-retained complete dentures, and rebasing and relining techniques.

DENT 6416L Complete Removable Prosthodontics I Laboratory Credits: 2

Students are introduced to laboratory and clinical steps in the fabrication of complete dentures. Students learn the use and manipulation of dental materials associated with complete removable prosthetics. Clinical experiences involve the fabrication of a complete set of dentures for a clinic patient under faculty supervision. Foundational knowledge and skills are practiced leading to clinical competency.

DENT 6417 Removable Partial Prosthodontics Credit: 1

The study of the terminology, design, theory, and basic procedures in removable partial denture construction in addition to diagnosis and treatment planning will be stressed through the lectures.

DENT 6417L Removable Partial Prosthodontics Laboratory Credits: 2

In the laboratory the students will learn to plan, design, and prepare the mouth for a prosthesis. They will demonstrate understanding of concepts and methods by applying them to the solution of problems. The student will: develop critical thinking and problem solving related to diagnosis, planning and treatment; make decisions based on current empirical and published evidence; make custom trays for final impression, and record bases and wax rims for recording jaw relationship.

DENT 6420 Periodontics I Credits: 2

Basic disease mechanisms involved in the evolution of the inflammatory periodontal lesion, i.e., the interaction of the host tissues with the oral microbial flora are introduced. The full range of periodontal and peri implant conditions are covered. The course reinforces the science of periodontology and its relationship to the clinical practice of periodontics. Students gain an understanding of the basic knowledge of periodontics, the foundation of subsequent courses addressing anti-infective and surgical therapies, and periodontal/restorative dentistry relationships.

DENT 6422 Fixed Prosthodontics I Lecture Credit: 1

This course is designed to provide the foundation knowledge needed by the novice to formulate clinical judgments in the areas of treatment planning, tooth preparation, and the selection and use of dental biomaterials for the restoration of single teeth with fixed prosthodontic restorations. The topics covered also include provisional restorations, impressions materials and technique, dental cements, and laboratory aspects involved in the fabrication of cast gold crowns.

DENT 6422L Fixed Prosthodontics I Laboratory Credits: 2

The second course in the fixed prosthodontic curriculum is designed to provide foundation knowledge needed by the novice to formulate clinical judgments in the areas of treatment planning, tooth preparation, and the selection and use of dental biomaterials for the restoration of missing teeth with fixed partial dentures and implants.

DENT 6423 Fixed Prosthodontics II Lecture Credit: 1

The second course in the fixed prosthodontic curriculum is designed to provide foundation knowledge needed by the novice to formulate clinical judgments in the areas of treatment planning, tooth preparation, and the selection and use of dental biomaterials for the restoration of missing teeth with fixed partial dentures and implants.

DENT 6423L Fixed Prosthodontics II Laboratory Credits: 2

The second laboratory course in fixed prosthodontics is focused on the replacement of missing teeth with fixed partial dentures and implant restoration. Projects build the skills to begin development of clinical competence in fixed partial dentures and implant restorations.

DENT 6424 Dental Management of the Medically Complex Patient Credits: 2

This course focuses on the understanding of medical conditions and compromised states that patients present with, enabling the clinician to develop dental treatment plans that are safe and compatible with their medical status.

DENT 6426 Oral Radiology Lecture Credits: 2

Radiation physics, radiation biology, quality assurance, imaging principles, radiation hygiene, radiographic interpretation and techniques of intra-oral survey are presented.

DENT 6431 Pediatric Dentistry I Lecture Credit: 1

The overall goal of this didactic course is to provide the student with the fundamental knowledge necessary to provide comprehensive dental care to pediatric patients. In addition, this course strives to develop an attitude towards learning such that the student will seek opportunities to further his/her knowledge and skills in pediatric dentistry subsequent to graduation. Finally, this course is intended to sensitize students to their responsibility as health care providers for the children in their community.

DENT 6435 Endodontics I Lecture Credit: 1

An introductory course in endodontics emphasizing pulp and periapical biology and pathology. Extra emphasis will be placed on endodontic diagnosis of non-odontogenic facial pain, problems with anesthesia in endodontics and treatment planning.

DENT 6436 Orthodontics: Growth And Development Credit: 1

Certain malocclusions and dental deformities can occur due variations in growth and normal developmental process. In order to treat and understand these problems, an in-depth and thorough understanding of craniofacial growth and development is necessary. Understanding how and when the face and head is actively growing will enable the clinician to redirect facial growth to reduce the severity of forming skeletal/ dental malocclusions. Since orthodontic treatment may involve the modification and/or manipulation of skeletal growth, it is important not only to understand dental development but also physical, physiologic and psychosocial development. This course is designed to address these needs.

DENT 6440 Introduction to Oral Surgery & Pain Management II Credit: 1

This course builds on the fundamental concepts in oral surgery and pain management presented in Dent 6412 to prepare students for patient care in oral surgery and management of pain for provision of dental care. The lectures will focus on treatment needs of the medically compromised surgical patient, ability to safely and adequately deliver local anesthesia, non-pharmacological management of pain as well as OTC and prescription medications for pain management. The course will also focus on appropriate case selection for a general dentist. In the pre-clinical lab portion of the course, students will participate in exodontia simulation and local anesthesia administration.

DENT 6442 Endodontics II Lecture Credit: 1

A continuation of the study of endodontics emphasizing non-surgical endodontics, surgical endodontics and post-endodontic treatment.

DENT 6442L Endodontics Laboratory Credits: 2

The preparation and filling of root canals of extracted teeth in the laboratory setting.

DENT 6460C Review of Pre-Clinical Dentistry Credits: 0.5

A combination of online lectures, selected readings and independent study designed to reinforce and integrate concepts contained in the pre-clinical dental curriculum.

DENT 6501C Intro to Comprehensive Patient Care Credits: 1-10

The purpose of this course is to introduce the student to the clinical environment and to familiarize him/her with comprehensive patient care. In addition, it allows the student to develop and interpret basic diagnostic aids that enable him/her to arrive at a diagnosis and treatment outline, the beginning steps of comprehensive care. Patient care is provided following the outlined treatment plan. The student will apply the principles/concepts of patient care. Students begin treatment of a 'family' of patients under faculty supervision.

DENT 6502 Grand Rounds I Credits: 0.5

Students prepare to develop and present oral reports typically given at professional meetings such as case presentations, table clinics, research reports or presentations of new techniques (such as in Table Clinic requirements or Senior Grand Rounds). This course will expand on the student's basic knowledge of critical review of scientific literature and information literacy. Cases and problems in dentistry and oral health will be the context for identification and application of current valid scientific literature. This course seeks to foster an attitude of critical analysis and commitment to life-long learning.

DENT 6503 Clinical Decision Making II Credits: 0.5

Students will learn to critically appraise scientific literature associated with current issues in dentistry to develop critical thinking skills that result in evidence-based decision making.

DENT 6509C Comprehensive Patient Care I Credits: 1-10

Third and fourth year dental students will spend the majority of their curriculum time mastering the competencies required of a general dentist. This includes the ability to complete a dental diagnosis and treatment plan, present the case to the patient, implement and evaluate the dental care delivered. Comprehensive patient care courses foster development of skills through daily evaluation in technique, patient management, and diagnostic ability, supplemented by periodic mentor and team faculty evaluation. Semester evaluation will also take into account clinical productivity using a time unit system.

DENT 6510C Comprehensive Patient Care II Credits: 1-10

Third and fourth year dental students will spend the majority of their curriculum time mastering the competencies required of a general dentist. This includes the ability to complete a dental diagnosis and treatment plan, present the case to the patient, implement and evaluate the dental care delivered. Comprehensive patient care courses foster development of skills through daily evaluation in technique, patient management, and diagnostic ability, supplemented by periodic mentor and team faculty evaluation. Semester evaluation will also take into account clinical productivity using a time unit system.

DENT 6514 Pathology III Lecture Credit: 1

Continued study of pathological conditions of the oral region with emphasis on clinical signs and symptoms.

DENT 6515 Periodontics II Credit: 1

The overall goal of this course is to help the pre-doctoral students to recognize periodontal disease and treatment plan the needed periodontal therapy. Specific goals are to enhance the student's knowledge of the surgical aspects of periodontal therapy, and the relationship of periodontal disease and its treatment to the overall dental treatment plan.

DENT 6518 Transitions: Charting Your Professional Future V Credit: 1

This course is the fifth course in a sequence of courses throughout the dental education curriculum designed to prepare the graduate dentist in the skills and values of professionalism, practice management and ethics. This course continues the strategic planning framework and focuses on practice building strategies.

DENT 6520 Transitions: Charting Your Professional Future VI Credit: 1

This course is the sixth course in a sequence of courses throughout the dental education curriculum designed to prepare the graduate dentist in the skills and values of professionalism, practice management and ethics. This course continues with the strategic planning framework and focuses on the skills, knowledge and attitudes necessary for the day to day leadership of a dental practice.

DENT 6521 Oral Surgery III Credit: 1

This course is a continuation of the principles and techniques in Oral Surgery Pain Management II, but now relates to more advanced forms of oral surgical patient care. The areas to be covered are the diagnosis, treatment planning and management of impacted teeth, surgical complications, pre-prosthetic surgery, maxillary sinus in disease/dentoalveolar surgery, odontogenic infections, odontogenic cysts and odontogenic tumors afflicting the maxillofacial structures.

DENT 6521C Periodontics Clinical I Credits: 1-2

Clinical application of those principles taught in preceding terms.

DENT 6522 Oral Surgery IV Credit: 1

This course is a continuation of DENT 6521 Oral Surgery III. This course is structured to help the student acquire a basic understanding of the advanced aspects of the specialty of Oral and Maxillofacial Surgery. This includes the process of diagnosis, surgical and adjunctive management of diseases, deformities and malformations of the oral cavity, jaws and associate structures. Moreover, this course also covered principles and techniques of sedation used in oral and maxillofacial surgery.

DENT 6524 Principles of Oral Medicine and Diagnosis Credit: 1

This course expands upon the student doctor's knowledge of oral medicine, diagnosis, and pathology, and its interrelationship at times with systemic disease. Dental management, treatment and the appropriate use of consultations and referrals are emphasized.

DENT 6526 Orthodontics I Credit: 1

Orthodontics I is a course designed to introduce the student to the field of orthodontics. The lecture will introduce the student to basic orthodontic terminology, description, diagnosis, and mechanotherapy. This course will prepare the student for the clinical treatment of patients needing limited tooth movement.

DENT 6526L Orthodontics I Laboratory Credits: 2

This is a course designed to introduce the student to the field of orthodontics. The laboratory enables the student to master the materials of orthodontics in order to complete diagnostic records, to construct fixed and removable appliances, and to be familiar with tooth movement mechanics. This course will prepare the student for clinical treatment of patients needing limited tooth movement.

DENT 6527 Pharmacology and Therapeutics I Credits: 2

An introduction into the mechanisms of action, pharmacodynamics and relevant pharmacokinetics for drugs prescribed and used by patients seen by the dentist.

DENT 6531C Oral Diagnosis Clinical I Credits: 1-2

Clinical application of diagnostic principles. Students will complete a diagnostic competency examination on a selected patient.

DENT 6534 Advanced Restorative Dentistry II Credit: 1

A review and introduction to new and advanced principles in Fixed, Removable, and Implant Prosthodontics. Information presented will include review of proper clinical examination, diagnosis, and treatment options for patients in need of fixed, removable, and implant prostheses. Emphasis will be placed on current restorative aspects and more complicated prosthodontic treatments to include emerging technologies, such as digital dentistry.

DENT 6537 Oral Oncology Credits: 0.5

A lecture course on oral oncology with a focus on the biologic aspects of cancer, the detection of oral cancer and the different modalities of cancer treatment, the dental aspects of surgical reconstruction and prosthetic reconstruction following cancer surgery, and management of the patient prior to, during, and following radiation therapy to the head and neck and during chemotherapy for systemic cancer.

DENT 6538 Orthodontics II Credit: 1

This course will present a variety of topics related to orthodontics, such as: normal development, abnormal occlusal deviations during the developing permanent dentition, diagnosis and treatment planning of orthodontic problems, biomechanical principles in orthodontics, adolescent vs. adult orthodontics, periodontal health during orthodontic treatment, complications associated with orthodontic treatment and controversial aspect of orthodontics. You should also be able to recognize which kind of cases exceed the scope of limited treatment and may require intervention by a specialist.

DENT 6542C Operative Dentistry Clinical I Credits: 1-2

Clinical application of those principles taught in preceding terms.

DENT 6551CR Oral Surgery Clinical Credit: 1

This is a course for application of principles taught in didactic courses and the Oral Surgery Rotations. Oral Surgery Clinical is designed to prepare the dental student with the necessary didactic and clinical skills to properly evaluate patients and provide Oral Surgery care in a safe effective and caring manner and to evaluate competency in two areas: managing medical emergencies and oral surgical skills expected of a general dentist.

DENT 6556 Radiographic Interpretation Credit: 1

This is a comprehensive multidisciplinary course in radiologic interpretation of normal anatomy, anomalies, dental caries, periodontal disease, periapical pathology and infections of the maxilla and mandible.

DENT 6559 Diagnosis and Management of Orofacial Pain Credit: 1

Essential conceptual, clinical and technical information and skills necessary in the diagnosis and treatment of Orofacial Pain States. Diagnostic protocols and radiographic procedures and their integration as it relates to painful head and neck conditions are presented in depth. Differential diagnosis and special diagnostic techniques are also addressed. Behavioral factors associated with the development of chronic pain and complicating the management of pain states are identified and discussed.

DENT 6561C Removable Prosthodontics Clinical I Credit: 1

This course requires the clinical application of removable prosthodontics principles. By treating multiple and varied patients needing complete and removable partial dentures, the student should become competent to diagnose and treat the routine and uncomplicated edentulous and partially edentulous patients with removable prostheses.

DENT 6562C Removable Prosthodontics Clinical II Credit: 1

This course reflects the clinical aspects of Removable Prosthodontics. The application of didactic learning and foundational skills is practiced and evaluated. By treating multiple and varied patients needing complete dentures and those needing removable partial dentures, the student should become competent to diagnose and treat the routine and uncomplicated edentulous and partially edentulous patient with removable prostheses.

DENT 6564 Pharmacology and Therapeutics II Credits: 2

This course will provide the background necessary for the dentist to become knowledgeable about the drugs their patients may be taking and their related medical conditions. Lecture topics include the diseases and medical conditions commonly seen in dental patients on an outpatient basis. The course presents the effects, mechanisms of action, dosage forms, and relevant pharmacokinetics for the drugs used in the management of these diseases. The course will cover the important side-effects of precautions of drugs that are pertinent to the dental patient for their safe management.

DENT 6566 Bridge Course Credits: 2

This course is designed as a lecture and clinical course to provide a transition into the clinical phase of the dental curriculum for the third year dental student.

DENT 6568 Treatment Planning I Credit: 1

The Treatment Planning course will introduce the students to an effective approach to developing treatment plans for patients. The course will also include information on how to present treatment plans to patients taking into account multiple patient factors including cultural background, socioeconomic status and the patients wants and needs.

DENT 6569 Treatment Planning II Credit: 1

A continuation of Treatment Planning I concepts for comprehensive treatment planning in dentistry. This will be a case-based course and students will actively participate in developing treatment plans for patient care. There will be a comprehensive patient case at the end of the course wherein the students will treatment plan a case and then perform all dental procedures in a clinic/simulation setting. Through use of these cases, students will formulate a problem list to properly sequence and develop treatment plan options using an evidenced-based decision-making model.

DENT 6570 Advanced Dental Treatment Planning Credit: 1

The advanced dental treatment planning course applies the principles and guidelines for comprehensive dental treatment planning for "in-classroom" patient case-based presentations and group discussions via PowerPoint presentations of patient cases. Multidisciplinary cases will be used to show how to diagnostically work-up a patient case utilizing photographic documentation, mounted casts, and diagnostic wax-ups. The mechanics of treatment planning will be reviewed to determine findings, problems, etiology, diagnosis, prognosis, formulation of optimal and alternative treatment plans, and sequence of therapy. Evidenced based decision-making guides and justifies the entire process. Students will be encouraged to put together their own presentations for discussion.

DENT 6591C Professional Development I Credits: 1-2

Clinical application of those principles taught in preceding terms.

DENT 6592C Professional Development II Credits: 1-2

Clinical application of those principles taught in preceding terms.

DENT 6593C Professional Development III Credits: 1-2

Clinical application of those principles taught in preceding terms.

DENT 6595 Introduction To Implant Dentistry Credit: 1

To provide the undergraduate student with a solid background into the role of implant dentistry in their profession. Advances in technique and materials which are responsible for improved predictability will be presented. Emphasis will be on patient selection, treatment planning and basic restorative techniques. The student will be able to initiate uncomplicated dental implant procedures with this information and will be prepared to enter into more advanced continuing education and graduate programs in this subject.

DENT 6600 Review Of Clinical Dentistry Credits: 1-2

A summative review of the basic areas of clinical dentistry.

DENT 6601C Endodontics Clinical Credits: 1-2

Clinical application of principles taught in preceding terms.

DENT 6602 Grand Rounds II Credit: 1

This course is a continuation of Grand Rounds I and its aim is similar to Grand Rounds I: expand on the dental student's basic knowledge of critical review of scientific literature and information literacy. Students will present a Table Clinic at Midwest Dental Conference and prepare a proposal for their senior Grand Rounds presentation.

DENT 6603 Grand Rounds III Credit: 1

The fourth year Grand Round course is an independent study courses designed to develop the evidence-based research skills required to keep abreast of current concepts in dentistry; develop case documentation skills necessary for continued professional development, and develop professional public speaking skills.

DENT 6604 Grand Rounds IV Credit: 1

The fourth year Grand Round course is an independent study course designed to develop the evidence-based research skills required to keep abreast of current concepts in dentistry; develop case documentation skills necessary for continued professional development, and develop professional public speaking skills.

DENT 6605 Review Of Clinical Dentistry II Credits: 0.5

A review of foundation knowledge for clinical dentistry.

DENT 6606C Pediatric Dentistry Clinical I Credits: 1-2

Clinical application of those principles taught in preceding terms.

DENT 6607C Pediatric Dentistry Clinical II Credits: 1-2

Clinical application of those principles taught in preceding terms.

DENT 6608C Pediatric Dentistry Clinical III Credits: 1-2

Clinical application of those principles taught in preceding terms.

DENT 6609C Comprehensive Patient Care III Credits: 1-10

Third and fourth year dental students will spend the majority of their curriculum time mastering the competencies required of a general dentist. This includes the ability to complete a dental diagnosis and treatment plan, present the case to the patient, implement and evaluate the dental care delivered. Comprehensive patient care courses foster development of skills through daily evaluation in technique, patient management, and diagnostic ability, supplemented by periodic mentor and team faculty evaluation. Semester evaluation will also take into account clinical productivity using a time unit system.

DENT 6610C Comprehensive Patient Care IV Credits: 1-10

Third and fourth year dental students will spend the majority of their curriculum time mastering the competencies required of a general dentist. This includes the ability to complete a dental diagnosis and treatment plan, present the case to the patient, implement and evaluate the dental care delivered. Comprehensive patient care courses foster development of skill through daily evaluation in technique, patient management, and diagnostic ability, supplemented by periodic mentor and team faculty evaluation. Semester evaluation will also take into account clinical productivity using a time unit system.

DENT 6611C Fixed Prosthodontics Clinical I Credits: 1-2

Clinical application of principles taught in preceding terms.

DENT 6613 Periodontal Treatment Planning Credit: 1

A case-based learning seminar designed to review concepts in Periodontics with emphasis on clinical application.

DENT 6614 Dentistry For The Special Patient Credits: 1-2

The purpose of this course is to acquaint the student with the dental treatment of three populations of patients who you may encounter in your dental career (and often have trouble finding adequate care). They include patients who are developmentally disabled, the elderly, and the medically-compromised. The course will present management techniques for in-office treatment and appropriate referral of those patients best treated in another setting. This course builds upon the skills and knowledge gained in previous courses in many disciplines, to provide an interdisciplinary experience with special patient populations. A required rotation at the Regional Center for the Developmentally Disabled gives practical experience to topics covered in lecture.

DENT 6614C Comprehensive Patient Care V Credits: 1-10

Third and fourth year dental students will spend the majority of their curriculum time mastering the competencies required of a general dentist. This includes the ability to complete a dental diagnosis and treatment plan, present the case to the patient, implement and evaluate the dental care delivered. Comprehensive patient care courses foster development of skill through daily evaluation in technique, patient management, and diagnostic ability, supplemented by periodic mentor and team faculty evaluation. Semester evaluation will also take into account clinical productivity using a time unit system.

DENT 6615 Transitions: Charting Your Professional Future VII Credit: 1

This is the seventh course in a sequence of courses throughout the dental education curriculum designed to prepare the graduate dentist in the skills and values of professionalism, practice management and ethics. This course continues with the strategic planning framework and focuses on the development of a dental practice business plan.

DENT 6616 Transitions: Charting Your Professional Future VIII Credit: 1

This course is a continuation of a sequence of courses throughout the dental education curriculum designed to prepare the graduate dentist in the skills and values of professionalism, practice management and ethics. This course allows fourth year dental students to apply concepts and principles presented in the previous practice management courses in the Innovation Center and in small group seminars. A series of small group seminars will allow for in-depth discussion of professional issues.

DENT 6617 Pediatric Dentistry Seminar Credits: 0.5

This course is designed to allow fourth year students to build on the concepts presented in DENT 6431. Using a seminar format, students will review pediatric dentistry concepts with emphasis on clinical application.

DENT 6620 Civic Engagement Credits: 0

Service learning experiences expose students with different opportunities to engage the community. Students can choose from approved experiences and participate based on their interest and skill level. Students will research, participate, and reflect on their experiences.

DENT 6621C Periodontics Clinical II Credits: 1-2

Clinical application of those principles taught in preceding terms.

DENT 6625 Oral Surgery Clinical II Credit: 1

Oral Surgery II is a continuation of Oral Surgery I and is designed to certify students' competency in oral surgery, including managing patient pain and anxiety, i.e. nitrous oxide-oxygen sedation

DENT 6626C Clinical Treatment Planning Credit: 1

This course builds on the didactic courses and clinical experiences in treatment planning. Each student will demonstrate competency in comprehensive treatment planning to earn credit in the course.

DENT 6633 Introduction To Dental Public Health Credit: 1

An introduction to the fundamental concepts of dental public health, including community-engaged learning experiences delivering evidence-based interventions that aim to prevent oral diseases and promote oral health at the population-level.

DENT 6634 Community-Based Dental Education (CODE) I Credit: 1

The purpose of this course is to expose third and fourth year dental students to alternative methods of dental care delivery to populations at high risk for dental disease. Specifically the course places junior and senior students in an existing network of community health centers and rural outreach sites

DENT 6635 Community-Based Dental Education Credits: 3

Externship rotations expose students to alternative methods of dental care delivery and to populations at high risk for dental disease. Students are placed in an existing network of community health centers and Federally-Qualified Health Centers. Students serve on multi-disciplinary teams that meet primary health care needs of large segments of underserved populations

DENT 6636C Oral Radiology Clinical Credit: 1

Clinical application of the principles taught in preceding terms. Clinical emphasis on intraoral image capture techniques and the use of "sensor-holding beam alignment" devices for storage of phosphor imaging plates, solid-state sensors, and correct patient positioning for panoramic radiographic image capture. Proper application of image modification tools in digital image viewer software is also emphasized. The recognition of radiographic signs of dental caries, periodontal disease, jaw cysts, jaw tumors and other pathologic processes affecting the jaw is reviewed as part of the overall image evaluation along with the technical evaluation of the images.

DENT 6642C Operative Dentistry Clinical II Credits: 1-2

Clinical application of those principles taught in preceding terms.

DENT 6650 Applied Ethics Credits: 0.5

Four or five case studies will be used during seminars. Basic ethical principles from DENT 6306 will be applied to the case studies. Two of the cases will involve ethical issues, and one of the cases will add community dentistry issues. Other cases will be used as generated or suggested by each seminar group.

DENT 6656C Orthodontic Clinical I Credit: 1

The purpose of this course is to allow each student to develop the skills, knowledge and values to diagnose potential or actual malocclusions and manage patient who need orthodontic intervention.

DENT 6690 Independent Study in Dentistry Credits: 1-6

This course provides students the opportunity to undertake independent study projects in specific areas of dentistry. Course may be repeated.

DENT 6691C Professional Development IV Credits: 1-3

Clinical application of those principles taught in preceding terms.

DENT 6692C Professional Development V Credits: 1-2

Clinical application of those principles taught in preceding terms.