

**ENDO 613 Drugs in Dentistry** A lecture and seminar course with detailed consideration of the need, use and prescription of drugs in dental practice. Drug interactions and modes of action of commonly prescribed and locally used therapeutic agents are stressed.

**OMDS 503 Advanced Oral Pathology** Seminar and online course considering clinical and microscopic features of pathologic changes linked to oral-dental and systemic diseases.

**OMDS 615 Seminar on Anesthesia and Pain Control in Dentistry** A seminar course focused on anesthesia and pain control in dentistry, use of behavioral and pharmacological interventions in anxiety and pain control including physiological principles of anesthesia.

**OMDS 617 Radiology for the Dental Specialist** A lecture and seminar course presenting characteristics of disease in terms of selecting the proper imaging modality and establishing a differential diagnosis. Advanced diagnostic imaging systems are evaluated for diagnostic yield.

**OMDS 623 Temporomandibular Disorders** A lecture and seminar course addressing the anatomical physiologic and psychological basis for temporomandibular disorders (TMDs) is presented. Differential diagnosis and treatment of TMDs.

**PROS 504 Advanced Dental Materials** A seminar course designed to review the fundamentals of materials science, critically evaluate the literature and use analytical equipment to illustrate techniques of material evaluation.

**PROS 517 Advanced Occlusion** A lecture and seminar discussion of examination, diagnosis, treatment planning and treatment of patients with normal function and functional disturbances of the masticatory system.

**PROS 610 Advanced Prosthodontic Clinics I** A clinical course designed to cover fundamental and advanced prosthodontic principles in patient care.

**PROS 611 Advanced Fixed Prosthodontics and Laboratory Technique** A course designed to review the fundamentals of fixed prosthodontic restorative techniques in conjunction with laboratory exercises involving tooth preparation, waxing and fabrication of metal and ceramic restorations.

**PROS 612 Diagnosis and Treatment Planning Seminars** A seminar course devoted to the review of complex prosthodontic reconstruction therapy. Patients are presented for discussion by the faculty and students.

**PROS 613 Interdisciplinary Seminars** A seminar course devoted to the discussion of dental therapy involving the disciplines of prosthodontics, periodontics, endodontic, orthodontics and oral surgery. Patients are presented for discussion by faculty and students.

**PROS 614 Fixed Prosthodontics Literature Review** A seminar course that provides a comprehensive review of the literature concerning all areas of fixed prosthodontic therapy. Current literature from a variety of periodicals is also reviewed.

**PROS 615 Advanced Complete Denture Prosthodontics** A seminar, laboratory and clinical course regarding complete denture construction. Laboratory and clinical experience is obtained with concurrent review of the literature regarding treatment of the edentulous patient.

**PROS 618 Reconstructive Implant Therapy** A seminar course involving treatment planning considerations and the treatment procedures in implant prosthodontics. In-depth study of fundamental principles of surgery and prosthetic portions of implant prosthodontics occurs. Patient centered, evidence based decision making with presentations are the focus of this course.

**PROS 620 Advanced Prosthodontic Clinics II** A clinical course designed to cover fundamental and advanced prosthodontic principles in patient care.

**PROS 621 Maxillofacial Prosthetics** A lecture and seminar course that reviews the principles of maxillofacial prosthetics for patients with acquired and congenital defects. Impression techniques, laboratory procedures, surgery, oncology and psychosocial aspects are also discussed.

**PROS 623 Removable Prosthodontics Literature Review** A seminar course that provides a comprehensive review of the literature concerning all areas of removable prosthodontic therapy. Current literature from a variety of periodicals is also reviewed.

**PROS 624 Advanced Removable Partial Denture Prosthodontics** A seminar course that addresses the fundamentals of removable partial denture design, fabrication, rationale for use, patient selection and advanced techniques for prosthesis retention.

**PROS 628 Comprehensive Dental Implant Literature Review** Seminar course that addresses diagnosis, treatment planning, surgical and restorative factors influencing implant patient treatment. Patient centered, evidence based decision making presentations are the focus of this course.

**PROS 630 Advanced Prosthodontic Clinics III** A clinical course designed to cover fundamental and advanced prosthodontic principles in patient care.

***Elective Courses from the Master of Science in Oral Sciences Degree Program that  
Augment the Advanced Prosthodontics Certificate Program but apply to the M.S. Degree***

**PROS 532 American Board of Prosthodontics Written Examination Completion** Successful completion of the American Board of Prosthodontics Written Examination (ABP Section A) during enrollment in the UIC Prosthodontics Specialty Program.

**PROS 533 American Board of Prosthodontics Patient Completion Documentation** Completion of the documentation, imaging, and oral defense necessary to pass Part 2, 3, or 4 of the American Board of Prosthodontics while enrolled in the College of Dentistry.

**OSCI 441 Statistics for Oral Sciences** Online course that prepares students enrolled in the Master of Science in Oral Sciences for the thesis research project. Students learn how to collect, organize and analyze data and apply this knowledge and skill to future research projects. Extensive computer use required.

**OSCI 451 Research Methodology** Lecture and seminar course designed to help the student understand, utilize and appreciate the process of scientific inquiry.

**OSCI 531 Peer Reviewed Publishing** Preparation and submission of a manuscript suitable for a peer-reviewed publication.

**OSCI 534 Dental and Medical Anthropology Within Human Evolution** Studies the biological and physical anthropology of hominid teeth and the craniofacial complex with relevant medical anthropology, ethno-pharmacology, forensic sciences, and paleo-pathology topics. Lecture, lab experience, independent study and a research paper is required.

**OSCI 580 Advanced Oral Sciences I** Lecture and seminar discussion following presentation of faculty research. Topics include developmental and molecular biology, tissue engineering, genetics and structural biology in tandem with cutting-edge dental technology.

**OSCI 581 Advanced Oral Sciences II** Continuation of OSCI 580.