ADULT RESTORATIVE DENTISTRY (ADRS)

ADRS 326 DENTAL MATERIALS 2 Credit Hours
This course is designed to provide foundational knowledge in basic and applied dental materials science. The didactic component introduces the student to the basic composition of dental materials, their mechanical and physical properties, and the manner in which material properties are affected by variations in manipulation. The laboratory component is designed to reinforce didactic concepts through the conducting of mechanical and physical property tests, and hands-on manipulation of selected dental materials.
Typically Offered: SPRING

ADRS 330 DENTAL MATERIALS AND TECHNIQUES 4 Credit Hours
An introduction to the science and practical usage of dental biomaterials. Emphasis is placed on the understanding of materials science principles and how they relate to the clinical handling of dental biomaterials.
Laboratory sessions are included to introduce techniques in manipulation of materials.
Typically Offered: FALL

ADRS 335 ORAL HEALTH AND DENTISTRY FOR OLDER ADULTS 1 Credit Hour
The course is a comprehensive review of topics related to dentistry and older adults. Namely: sociodemographics; defining the elderly; physiologic aging; aging theories; oral changes with age; interaction between systemic disease common to elderly and oral health; depression, cognitive impairment and other psychological problems related to aging; rational drug use; assessment and treatment planning for older patients; ethics in geriatric dentistry and dentistry in long-term care (LTC) facilities.
Typically Offered: SUMMER

ADRS 408 SPECIAL PATIENT CARE 1 Credit Hour
This course will provide a broad overview of topics concerning the dental management of patients with special needs. It will provide students with knowledge about causes, classifications and oral manifestations of the more common disabling conditions.
Instructor: Dr. Jennifer Kallio
Typically Offered: FALL

ADRS 434 MASTICATORY FUNCTION 2 Credit Hours
The primary goal is to relate the anatomical elements of the masticatory system in such a way as to adequately prepare students for dental procedures requiring the alteration or modification of this system. A more all-encompassing objective will be to incorporate anatomical elements into the essentials of how the maxillary and mandibular teeth articulate in function and parafunction. The clinical significance of occlusal variation and the clinical implications of occlusal alteration will be related to restorative dentistry treatments.
Prerequisite: ADRS 529.
Typically Offered: SPRING

ADRS 532 OPERATIVE DENTISTRY I 4 Credit Hours
A lecture-laboratory course covering the principles of conservative cavity preparations and restoration of the adult dentition using dental amalgam, composite resin, and glass ionomer cement.
Prerequisite: ADRS 529, 531.
Typically Offered: SPRING

ADRS 540 ADULT RESTORATIVE DENTISTRY EVIDENCE-BASED DENTISTRY PRINCIPLES 1 Credit Hour
A lecture/small group course designed to introduce Evidence-Based Dental Practices, providing an overview of the basic concepts needed to assist in making use of evidence to inform clinical decisions. The student will learn how to formulate questions that are easy to answer using scientific literature, effectively search for relevant evidence, identify the strengths and limitations of different study designs and interpret the findings and apply the findings to clinical decisions.
Instructor: Dr. Marianne Day
Typically Offered: SUMMER

ADRS 559 PHYSICAL ASSESSMENT 2 Credit Hours
This course combines lecture/seminar online, CD-ROM, and laboratory techniques, evaluation of vital signs, ASA classifications, physical findings suggestive of systemic disease, patient drug use, and laboratory test results (blood, urine, etc.); cranial nerve, head/neck, and oral hard and soft tissue examinations; use of Drug References; the description and identification of common oral mucosal lesions.
Typically Offered: FALL

ADRS 563 REMOVABLE PROSTHODONTICS I 4 Credit Hours
This complete denture course is designed to prepare the dental student to successfully provide treatment for the completely edentulous patient. At the completion of the course the student will be thoroughly familiar with the techniques, materials, equipment, supplies, and biological considerations necessary to fabricate complete dentures.
Prerequisite: ADRS 529, 530, 531, 532.
Typically Offered: FALL

ADRS 570 REMOVABLE PROSTHODONTICS II 2 Credit Hours
The study of the design, theory, and basic procedures in partial and complete denture construction. Diagnosis and treatment planning will be stressed through lectures, laboratory, and clinical demonstrations.
Prerequisite: ADRS 563.
Typically Offered: SPRING
ADRS 572 DIAGNOSIS & TREATMENT PLANNING 2 Credit Hours
The course provides students with the foundational knowledge to perform a dental clinical examination and oral diagnosis of a patient starting with the initial contact. It introduces students to basic treatment planning concepts including treatment options, treatment sequencing and case presentations.
Typically Offered: SPRING

ADRS 574 FIXED PROSTHODONTICS I 4 Credit Hours
A lecture-laboratory course involving the diagnosis, treatment planning, basic principles of tooth preparation and procedures for the complete restoration of single teeth with extracoronal restorations and the replacement of one or more teeth using fixed partial dentures. The indication and methods for restoration of endodontically treated teeth are also included. Single crowns, fixed partial dentures, provisional restorations, prefabricated and cast post and cores will be fabricated in the laboratory portion of the course.
Prerequisite: ADRS 555, 563.
Typically Offered: SPRING

ADRS 580 FIXED PROSTHODONTICS II 1 Credit Hour
A lecture-small group course designed to introduce Evidence-Based Dental Practices, providing an overview of the basic concepts needed to assist in making use of evidence to inform clinical decisions. The student will learn how to formulate questions that are easy to answer using scientific literature, effectively search for relevant evidence, identify the strengths and limitations of different study designs and interpret the findings and apply findings to clinical decisions. In addition, the student will be using their findings to complete additional restorative techniques such as night guard vital bleaching techniques.
Prerequisite: ADRS 574.
Typically Offered: SUMMER

ADRS 589 BASICS OF DENTAL IMPLANTOLOGY 1 Credit Hour
This course is designed that students will understand the role of implant dentistry in all aspects of diagnosis and treatment planning, surgical and prosthodontic procedures and be able to evaluate and maintain the implants and prostheses with follow-up care and education.
Prerequisite: ADRS 563, 570, 574, 580.
Typically Offered: SUMMER

ADRS 590 DIGITAL DENTISTRY I 1 Credit Hour
Lectures, online video with past assessments and clinical simulations will be presented emphasizing digital workflow in restorative dentistry. Prereqs: ADRS 529, 530, 531, 532, 555, 574, 580
Typically Offered: SUMMER

ADRS 593 TM DISORDERS AND SLEEP DISORDERS 1 Credit Hour
Lectures, clinics and on-line references focus on the diagnosis and treatment of temporomandibular disorders (TMD) and sleep related breathing disorders.
Typically Offered: SUMMER

ADRS 608 SPECIAL PATIENT CARE 1 Credit Hour
This course will provide a broad overview of topics concerning the dental management of patient with special needs. It will provide students with knowledge about causes, classifications and oral manifestations of the more common disabling conditions.
Instructor: Dr. Jennifer Kallio
Typically Offered: FALL

ADRS 616 ADVANCED TOPICS IN RESTORATIVE DENTISTRY I 1 Credit Hour
This is a lecture course consisting, in part, of a review, reinforcement and update of clinical concepts, materials and techniques. Factors in treatment planning, the relationship of operative treatment to various dental specialties, and the interactions, impact with various conditions/situations of patient care are presented and discussed.
Prerequisite: ADRS 555, DENT 550.
Typically Offered: SPRING

ADRS 633 ADV TOPICS IN RESTORATIVE DENTISTRY II 1 Credit Hour
Lectures, case presentations, and class handouts will be given to emphasis clinical procedures in prosthodontics and to discuss available options in current clinical restorative treatment. Further exposure to the principles and theory of more advanced treatment procedures in Fixed, Removable and Implant Prosthodontics will be given to supplement the basic concepts from ADRS 563, 570, 574, 580.
Prerequisite: ADRS 563, 570, 574, 580 (including the use of digital restorative technology).
Typically Offered: SUMMER

ADRS 644 ORAL HEALTH & DENTISTRY FOR THE OLDER ADULT 1 Credit Hour
The course is a comprehensive review of topics related to dentistry and older adults. Namely: sociodemographics; defining the elderly; physiologic aging; aging theories; oral changes with age; interaction between systemic disease common to elderly and oral health; depression, cognitive impairment and other psychological problems related to aging; rational drug use; assessment and treatment planning for older patients; ethics in geriatric dentistry and dentistry in long-term care (LTC) facilities.
Typically Offered: SUMMER