

# ADULT RESTORATIVE DENTISTRY (ADRS)

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## **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 conduct of mechanical and physical property tests, and hands-on manipulation of selected dental materials.

Typically Offered: SPRING

## **ADRS 408 CARING FOR PATIENTS WITH DISABILITIES 1 Credit Hour**

Introductory course in the management of patients of all abilities. This course will provide a broad overview of topics concerning the dental management of patients with complex medical, physical, or intellectual considerations. It will provide students with knowledge about causes, classifications, and oral manifestations of the more common disabling conditions.

Typically Offered: FALL

## **ADRS 529 DENTAL ANATOMY 3 Credit Hours**

A lecture-laboratory course studying the development, form, function and static relationships of teeth in the human dentition and the proper terminology needed to identify structures of the human dentition. Evidence Based Decision Making will be introduced. Students also develop skill at working with spatial relationships by developing models of teeth to proper contours using hand-formed plastic materials.

Typically Offered: FALL

## **ADRS 530 OCCLUSION 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 531 INTEGRATED BIOMATERIALS, CARIOLOGY, AND OPERATIVE SCIENCES I 4 Credit Hours**

An integrated lecture-laboratory course covering the principles of Cariology, conservative cavity preparations and restoration of the adult dentition using dental amalgam, composite resin, and glass ionomer cement with emphasis on the understanding of materials science principles and how they relate to the clinical handling of dental biomaterials.

Typically Offered: FALL

## **ADRS 532 INTEGRATED BIOMATERIALS, CARIOLOGY, AND OPERATIVE SCIENCES II 4 Credit Hours**

A lecture-laboratory course concerning advanced applications of direct restorations and the principles of tooth preparation and fabrication of indirect restorations. Principles of esthetic dentistry will be introduced.

Prerequisite: ADRS 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.

Typically Offered: SUMMER

## **ADRS 556 CARIOLOGY 1 Credit Hour**

This course combines lecture and laboratory aspects that present dental caries as an infectious and controllable disease. The relationship between basic science and clinical application will be a central focus in preparing the student to be able to develop patient-specific strategies for the management of dental caries.

Typically Offered: SPRING

## **ADRS 559 PHYSICAL ASSESSMENT 2 Credit Hours**

Lectures and laboratory exercises will cover the following information: interviewing techniques and diagnostic processes; medical consultation 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.

Prerequisite: ORBI 505, 506, 518, 539, 545

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 3 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 extracoronary 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; Advanced Standing Dental Program Status.

Typically Offered: SPRING

**ADRS 580 ADVANCED TREATMENT PLANNING 1 Credit Hour**

This course is designed to build upon the Diagnosis and Treatment Planning concepts presented in ADRS 572 as well as incorporating EBD into the treatment planning process. Students are expected to properly input patient information into the CIS, diagnose dental concerns, phase and sequence dental coded treatment plan option(s) for patient based cases. Students will research, review, and present literature on a given dental discipline, topic, material, or procedure. Students will also be expected to actively participate in class discussions following research presentations.

Prerequisite: ADRS 572.

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

Typically Offered: SPRING

**ADRS 590 DIGITAL DENTISTRY I 2 Credit Hours**

Lectures, online video with past assessments and clinical simulations will be presented emphasizing digital workflow in restorative dentistry. Pre-

reqs: ADRS 529, 531, 532, 561, 562

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 CARING FOR PATIENTS WITH DISABILITIES 1 Credit Hour**

Introductory course in the management of patients of all abilities. This course will provide a broad overview of topics concerning the dental management of patients with complex medical, physical, or intellectual considerations. It will provide students with knowledge about causes, classifications, and oral manifestations of the more common disabling conditions.

Typically Offered: FALL

**ADRS 610 PRACTICE MANAGEMENT 3 Credit Hours**

Practice Management emphasizes business management of a dental practice. Business management includes issues such as deciding about dental insurance participation as well as properly submitting dental claims. Understanding overhead control, financial statements hiring practices and practice valuations are covered as well.

Typically Offered: SPRING

**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 529, 531, 532, 561, 563, 572, 574, 590

Typically Offered: SPRING

**ADRS 633 ADV TOPICS IN RESTORATIVE DENTISTRY II 1 Credit Hour**

Lectures, clinical demonstration/participation exercises, and class handouts will be given with a focus on clinical procedures in Restorative Dentistry and to discuss contemporary treatment options with an emphasis on digital dentistry. Further exposure to the principles and theory of more advanced treatment procedures in Restorative Dentistry will be presented to supplement the basic concepts from ADRS 563, 570, 574, and 580.

Prerequisite: ADRS 563, 570, 574, 580, 590, 616

Typically Offered: SUMMER

**ADRS 687 SEMINAR IN PRACTICE TRANSITION 2 Credit Hours**

This course is designed to provide instruction needed for students entering private practice and other career tracks immediately upon or within a few years after graduation, particularly students who will start, buy or associate in a private practice. These areas receive particular focus: marketing, business planning, complying with government regulations, managing student loans, negotiating associateships, and ownership issues such as financing a practice, personal/business insurance needs, and leadership.

Typically Offered: FALL

**ADRS 687A SEMINAR IN PRACTICE TRANSITION 0 Credit Hours**

This course is designed to provide instruction needed for students entering private practice and other career tracks immediately upon or within a few years after graduation, particularly students who will start, buy or associate in a private practice. These areas receive particular focus: marketing, business planning, complying with government regulations, managing student loans, negotiating associateships, and ownership issues such as financing a practice, personal/business insurance needs, and leadership.

Typically Offered: SUMMER