

## RSD

## Restorative Dentistry

### **RSD 810 RESTORATIVE DENTISTRY I. (3)**

This lecture course in operative dentistry is designed to provide a beginning student with basic knowledge about cavity preparation and restorative techniques for composite, amalgam, and other direct restorative materials. This course, together with a complementary laboratory course, is directed at preparing the student with knowledge and skills in the diagnosis and treatment of carious lesions necessary for patient care in operative dentistry. Coreq: RSD 814.

### **RSD 811 PRINCIPLES OF DENTAL ANATOMY, MORPHOLOGY AND OCCLUSION. (3)**

This introductory lecture course is designed to provide the dental student with necessary knowledge of dental anatomy, dental morphology and basic dental occlusion for all succeeding courses in preclinical and clinical dentistry. This includes a detailed description and study of individual teeth, relationship of dentoform and function, mandibular movement and introduction to muscles of mastication. Lectures related to biomaterials are added as needed. Prereq: Admission to the college or consent of the course director. Coreq: RSD 812.

### **RSD 812 PRINCIPLES OF DENTAL ANATOMY, MORPHOLOGY AND OCCLUSION (LABORATORY). (3)**

This introductory laboratory course is designed to provide the beginning dental student with skills manipulating wax to successfully replicate the dental anatomy of individual teeth as well as learning the relationships of form and function within the context of mandibular movement. These skills are learned by use of the dentoform as well as dental articulator. Laboratory experiences relating to dental biomaterials are introduced as needed. Prereq: Admission to the college or consent of course director. Coreq: RSD 811.

### **RSD 813 DENTAL CARIOLOGY. (1)**

This course is designed to review the biological basis for the concepts and treatment procedures of dental caries as an infectious disease and will provide didactic foundational knowledge for the clinical management of dental caries.

### **RSD 814 PRECLINICAL OPERATIVE DENTISTRY I. (3)**

This first-year preclinical laboratory course in operative dentistry is designed to provide a beginning student with basic skills for cavity preparation and restorative techniques for amalgam and resin composite. This course, together with the complementary lecture series course, RSD 810, is directed at preparing the student with the knowledge and skill necessary for patient care in operative dentistry. Coreq: RSD 810 (Lecture component).

### **RSD 816 ESTHETIC DENTISTRY I. (1)**

This lecture course is designed to provide a beginning student the basic principles of cavity preparation and restoration with esthetic dental materials. Materials include resin composite, resin ionomer and glass ionomer. This course, together with the complementary laboratory course, RSD 818, is directed at preparing the student with knowledge and skills in the diagnosis and treatment of defective tooth structure associated with anterior teeth. Prereq: RSD 812, RSD 810, RSD 814 or the consent of the course director.

### **RSD 818 PRECLINICAL ESTHETIC DENTISTRY I. (1)**

This first-year preclinical course in esthetic dentistry is designed to provide a beginning student with the basic skills for cavity preparation and restorative techniques for using tooth-colored restorative materials. This course, together with the complementary lecture series course, RSD 816, is directed at preparing the student for patient care in esthetic dentistry. Prereq: RSD 812, RSD 810, RSD 814 or consent of the course director.

### **RSD 821 CLINICAL RESTORATIVE DENTISTRY I. (3)**

This course emphasizes clinical application of the principles taught in preclinical courses. Concepts of diagnostic and therapeutic procedures as well as preventive measures are applied in the clinic with emphasis on the demonstration of competency in rendering primary care type treatment procedures. Prereq: RSD 814; coreq: RSD 824.

### **RSD 822 PRINCIPLES OF DENTAL OCCLUSION AND ARTICULATION. (3)**

This course is directed toward the examination, diagnosis, treatment planning, and treatment of various occlusal problems. The student will learn the skills needed to analyze the dental occlusion of patients and to plan successful occlusal therapy including restorative procedures and fixed prosthodontic treatment. The course will concentrate on developing technical skills and learning assessment criteria related to mounted study casts, occlusal examination and analysis, selective occlusal adjustment, diagnostic pre-waxing and planning, and the fabrication of a muscle relaxation occlusal splint. Prereq: CDS 815, RSD 812, or with approval of the course director.

## RSD

## Restorative Dentistry

### **\*RSD 823 RESTORATIVE DENTISTRY II.**

**(1)**

This didactic course places an emphasis on the basic knowledge required for treatment planning, tooth preparation and the fabrication of indirect single unit dental restorations. This course also introduces and reinforces concepts in dental material sciences pertinent to the selection of an appropriate restorative material, and the correct handling of dental stones, dental investments, dental alloys and luting agents for dental restorations. Prereq: RSD 810, RSD 812, RSD 814 or consent of instructor.

### **RSD 824 PRECLINICAL RESTORATIVE DENTISTRY II.**

**(2)**

This preclinical course places emphasis on dental hard tissue surgery and on their restoration to meet the biological needs of the patient. Tooth preparation and extracoronal restorations are performed on manikins and extracted teeth. The materials science and correct manipulation of investments, alloys and cements used to make case restorations are emphasized. Knowledge gained in dental morphology and occlusion is applied in the course. Prereq: RSD 812, RSD 814, or consent of instructor.

### **RSD 825 RESTORATIVE DENTISTRY III.**

**(1)**

This course is a continuation of RSD 823 with emphasis on single tooth indirect intracoronal restorations and restorations of the endodontically treated tooth. Prereq: RSD 823.

### **RSD 826 PRECLINICAL RESTORATIVE DENTISTRY III.**

**(2)**

This is a preclinical course with emphasis on dental hard tissue surgery and restorative procedures for single tooth indirect restorations. Clinical simulation procedures are performed on manikins and extracted teeth. Prereq: RSD 823, RSD 824, or consent of course instructor; coreq: RSD 825.

### **RSD 827 DENTAL BIOMATERIALS.**

**(2)**

In this course, the materials science, proper manipulation and biocompatibility of a wide variety of dental biomaterials are examined. The durability and biocompatibility of similarly utilized materials are compared. Diagnosis of the causes of clinical materials-related failures is emphasized.

### **RSD 831 CLINICAL RESTORATIVE DENTISTRY II.**

**(4)**

A continuation of RSD 821 as well as some clinical application of principles taught in RSD 824. The emphasis continues to be on the delivery of primary care type treatment with increasing competency and proficiency. Some emphasis is directed toward elementary experiences in rehabilitative type treatment procedures and occlusal dysfunctions. Prereq: RSD 821 and RSD 824; coreq: PRO 836 and PRO 834.

### **RSD 835 ADVANCED ESTHETICS IN RESTORATIVE DENTISTRY.**

**(2)**

This course is designed to introduce current concepts in esthetic restorative dentistry to undergraduate dental students in their third year. The techniques presented will build upon previously developed restorative didactic and clinical knowledge, but incorporate additional dental techniques and materials developed specifically for esthetic dentistry. Current dental materials being used by this discipline will be discussed as they apply to specific topics. Prereq: RSD 810, 812, 814, 816, 821, 822, 823/825, 824, 826, and 827.

### **RSD 840 RESTORATIVE DENTISTRY UPDATE.**

**(1)**

Students are provided current information on advanced restorative dentistry clinical procedures and materials. Emphasis will be given to diagnosis, treatment planning and treatment of the complex restorative dentistry patient. The format of the course will be "clinical case presentation." Prereq: PRO 836 and PRO 834.

### **RSD 841 CLINICAL RESTORATIVE DENTISTRY III.**

**(3)**

As the final phase in the undergraduate clinical continuum, this course continues to emphasize primary care concepts and proficiency. In addition, more complicated rehabilitative type care and occlusal dysfunction problems are encountered by the student under faculty supervision. Prereq: PRO 836, RSD 831, and PRO 834.

### **RSD 880 COMPACTED GOLD RESTORATIONS.**

**(1)**

This course introduces the student to the use of compacted gold as a restorative material. The restoration of Class III and Class V lesions is performed in the laboratory. Students are required to purchase gold they use in the course. Note: scheduling for this course will be

---

**RSD**

**Restorative Dentistry**

---

outside of regularly scheduled class/clinic time. Prereq: RSD 824, third year standing.

**RSD 882 ESTHETIC DENTISTRY ELECTIVE.**

**(1)**

This course is designed to introduce current concepts in esthetic restorative dentistry to undergraduate dental students in their 4th academic year. The techniques presented will build upon previously developed restorative didactic and clinical knowledge, but incorporate additional dental techniques and materials developed specifically for esthetic dentistry. Current dental materials being used by this discipline will be discussed as they apply to specific topics. Lecture, nine hours. Note: scheduling for this course will be outside of regularly scheduled clinic/class time. Prereq: RSD 810, 814, 816, 818, 821, 822, 823/824, 825/826, 827 or consent of course director.

**RSD 883 INTRODUCTION TO SPORTS DENTISTRY.**

**(1)**

Introduction to Sports Dentistry is an elective course designed to educate about the opportunities available to become involved with sports teams in your community. The course topics will include: Types of dental injuries related to athletics, prevention of injuries, role of team dentist, types of sports guards and methods of fabrication of sports guards. Prereq: 4th year dental student in good standing; consent of course director. Note: Scheduling of this course will be outside the regularly scheduled clinic/class time.