RSD 810 FUNDAMENTALS OF OPERATIVE DENTISTRY I. (2)
This lecture course in operative dentistry is designed to provide a beginning student with basic knowledge about cavity preparation and restorative techniques for amalgam and resin composite. This course, together with a complementary laboratory course, RSD 814, 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. Prereq: RSD 812, or consent of course director; coreq: RSD 814.

RSD 812 PRINCIPLES OF DENTAL ANATOMY, MORPHOLOGY AND OCCLUSION. (6)
This introductory course is designed to provide the student dentist with the necessary working knowledge of dental anatomy, dental morphology and basic dental occlusion for all succeeding courses in preclinical and clinical dentistry. This includes a detailed study of individual teeth, the relationship of dental form and function, mandibular movement and the basic introduction and use of the dental articulator. Lectures and laboratory experiences related to dental biomaterials are included as needed. Lecture, 45 hours; laboratory 99 hours. Prereq: Approval of the dean and/or his designee for academic affairs and the consent of the course director.

RSD 814 PRECLINICAL OPERATIVE DENTISTRY I. (2)
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. Laboratory 69 hours. Prereq: RSD 812, RSD 810 as corequisite, or consent of instructor.

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. Lecture, 23 hours; laboratory, 27 hours; clinic, 27 hours. Prereq: CDS 815, RSD 812, or with approval of the course director.

RSD 823 PRECLINICAL RESTORATIVE DENTISTRY II. (1)
This is a didactic course with emphasis on the basic knowledge required for tooth preparation and indirect single tooth dental restoration. The materials science and correct manipulation of dental stones, alloys and luting agents are emphasized. Prereq: RSD 812, RSD 810, RSD 814, RSD 816, 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. Laboratory: 54 hours. Prereq: RSD 812, RSD 814, RSD 818; concur: RSD 823, or consent of instructor.

RSD 825 PRECLINICAL RESTORATIVE DENTISTRY II. (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 DENTISTRY II LABORATORY. (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. Lecture, 40 hours. Prereq: PRO 820 and RSD 824 or consent of course director.

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. Clinic, 120 hours. Prereq: RSD 821 and RSD 824; coreq: RSD 830 and RSD 834.

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: RSD 830 and RSD 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. Clinic, 145 hours. Prereq: RSD 830, RSD 831 and RSD 834.

RSD 850 RESTORATIVE DENTISTRY ELECTIVE. (1-10)
Elective courses offered by the Department of Restorative Dentistry provide opportunities for further study of or experience in various aspects of restorative dentistry. Topics may include occlusion in oral reconstruction, philosophies of occlusion, complex restorative dentistry, dental ceramics and esthetics, and dental physical sciences. Hours variable, ranging from a minimum of 16 hours lecture/discussion to a maximum of 10 weeks clinical experience. May be repeated to a maximum of 10 credits. Prereq: The minimum year in dental school and any course prerequisites will be announced for each topic.

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 outside of regularly scheduled class/clinic time. Prereq: RSD 824, third year standing.
RSD 881 ADVANCED FIXED PROSTHODONTICS.  (1)
This course is a continuation of Principles of Fixed Prosthodontics (RSD 830). Primarily, this course will consist of a review of topics presented in RSD 830 discussed in greater depth and detail. Examples are cosmetic dentistry and complex fixed prosthodontics. Secondarily, more advanced material will be presented such as prosthodontic problem solving, and extensive reconstruction on telescopic crowns. The goal of the course is to provide the prosthodontic knowledge base and to ultimately develop a greater clinical efficiency in fixed prosthodontics. Note: scheduling for this course will be outside of regularly scheduled clinic/class time. Prereq: RSD 830, 4th 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 the 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.