

REHABILITATIVE AND RECONSTRUCTIVE DENTISTRY (RARD)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee/>).

RARD 805. Principles and Techniques of Orthodontics 3 Units

Term Typically Offered: Spring Only

Description: Covers principles of orthodontic diagnosis and treatment planning. This course is structured to represent the link between orthodontic therapy and clinic utilization. As such, it is directly preparatory to the course in Clinical Orthodontics. An outline of subjects to be covered is in the manual. We will present the basic design and usage of fixed appliance systems as well as the use and construction of removable appliances. A series of "mini clinics" is presented in which students are exposed to various aspects of appliance design and use in a clinical setting.

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RARD 809. Clinical Orthodontics 2 Units

Grading Basis: Pass/Fail

Term Typically Offered: Fall Only

Description: As a general dentist, you will need to know how to identify and diagnose orthodontic problems, educate patients on those problems, and perform either appropriate treatment for those problems or appropriate referral to a specialist. The didactic curriculum emphasized these principles of orthodontics, while the clinical orthodontic curriculum is intended to give you hands-on experience evaluating patients and helping with some orthodontic treatment procedures. This course has two primary components: clinical orthodontics and a competency examination. To supplement your didactic education with clinical experience, students participate in a rotation through the graduate orthodontic clinic. Students are required to complete certain learning experiences which will reinforce their knowledge of orthodontic principles and procedures. A review session is available to all students who wish to review the essential principles and concepts of orthodontic diagnosis, treatment planning and treatment.

Note: One and one-half years.

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RARD 820. Assessment, Diagnosis and Mgmt of Temporomandibular Disorders 1 Unit

Term Typically Offered: Spring Only

Description: This course will introduce students to a basic understanding of Temporomandibular Disorders and Orofacial Pain. It will cover the guidelines for clinical assessment, diagnosis and management. Topics from anatomy, biomechanics of the TMJ, epidemiology, etiology, signs and symptoms, and diagnostic classification of TMD will be included. Masticatory muscle disorders, internal derangements and occlusal appliance therapy will be assessed.

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RARD 821. Clinical Assessment, Diagnosis and Management of TMD Disorders 1 Unit

Term Typically Offered: Spring Only

Description: Students will learn how to perform a comprehensive examination and diagnosis of the TMD patient to derive effective occlusal therapy and clinical management of the disorders and orofacial pain.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RARD 861. Introduction to Indirect Restorations (Lecture) 2 Units

Term Typically Offered: Fall Only

Description: With RARD 862, designed to introduce the student to basic crown and fixed partial denture theory, principles and techniques. In addition to the basic laboratory procedures, the lecture series includes clinical application of various procedures in preparation for the clinic experience. Standard types of tooth preparation for anterior, posterior and non-vital teeth are practiced. Study of physical properties of dental materials utilized in construction of fixed partial dentures is included. Emphasis is placed on the restoration of function and the prevention of both initiation and recurrence of dental disease.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RARD 862. Introduction to Indirect Restorations (Laboratory) 3 Units

Term Typically Offered: Fall Only

Description: With RARD 861, designed to introduce the student to basic crown and fixed partial denture theory, principles and techniques. In addition to the basic laboratory procedures, the lecture series includes clinical application of various procedures in preparation for the clinic experience. Standard types of tooth preparation for anterior, posterior and non-vital teeth are practiced. Study of physical properties of dental materials utilized in construction of fixed partial dentures is included. Emphasis is placed on the restoration of function and the prevention of both initiation and recurrence of dental disease.

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RARD 865. Preclinical Fixed Prosthodontics Lecture Term Typically Offered: Spring Only Description: Designed to introduce the student to basic crown and fixed partial denture theory, principles, and techniques. In addition to the basic laboratory procedures, the lecture series includes clinical application of various procedures in preparation for the clinic experience. Standard types of tooth preparation for anterior, posterior and non-vital teeth are practiced. Study of physical properties of dental materials utilized in construction of fixed partial dentures is included. Emphasis is placed on the restoration of function and the prevention of both initiation and recurrence of dental disease For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit	RARD 870. Introduction to Implant Dentistry Term Typically Offered: Spring Only Description: This course introduces the dental student to current concepts in the surgical and restorative aspects of implant dentistry. The student will become familiar with various aspects of the discipline, including a basic history of implants in dentistry, implant and restoration types, components and terminology, diagnosis and treatment planning. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit
RARD 866. Preclinical Fixed Prosthodontics Lab Term Typically Offered: Spring Only Description: Designed to introduce the student to basic crown and fixed partial denture theory, principles, and techniques. In addition to the basic laboratory procedures, the lecture series includes clinical application of various procedures in preparation for the clinic experience. Standard types of tooth preparation for anterior, posterior and non-vital teeth are practiced. Study of physical properties of dental materials utilized in construction of fixed partial dentures is included. Emphasis is placed on the restoration of function and the prevention of both initiation and recurrence of dental disease For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	4 Units	RARD 871. Implant Dentistry Term Typically Offered: Fall Only Prerequisite(s): RARD 870. Description: This course introduces the dental student to current concepts in the surgical and restorative aspects of implant dentistry. The student will become familiar with various aspects of the discipline, including a basic history of implants in dentistry, implant and restoration types, components and terminology, diagnosis and treatment planning, surgical placement and adjunctive surgeries, restoration, maintenance, and complications of dental implant therapy. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit
RARD 867. Clinical Fixed Prosthodontics I Term Typically Offered: Spring Only Description: This course is structured to evaluate progressive proficiency as you plan, prepare, design, and deliver single and multiple indirect restorations on natural teeth and single implant retained restorations in the clinic. Such options include esthetic and non-esthetic single crowns and fixed dental prosthesis fabricated from a variety of materials and using a variety of methods. Passing formative assessments, including patient based clinical and non-clinical examinations, is required prior to challenging summative competencies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	2 Units	RARD 875. Advanced Prosthodontics Seminars Grading Basis: Pass/Fail Description: The course is comprised of a series of lectures designed to complement the clinical experiences a student acquires during the D3 and D4 years. The most current concepts in prosthetic dentistry are reviewed. The lectures and discussion periods prepare students for the clinical application of these ideas and concepts. In addition, information of new techniques and dental materials are presented to prepare the student for clinical practice. The format of the class will be lectures and slide presentations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	0.5 Units
RARD 868. Clinical Fixed Prosthodontics II Term Typically Offered: Spring Only Description: This course is structured to evaluate progression to competencies in planning, designing and delivering single and multiple indirect restorations on natural teeth and single implant retained restorations in the provision of clinical care. Passing all formative assessments is required prior to challenging summative clinical competencies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	3 Units	RARD 900. Advanced Education in Orthodontics Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm) RARD 920. Advanced Education in Prosthodontics Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: Prerequisite: DMD degree For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	9 Units 9 Units