

# FOUNDATIONS OF RESTORATIVE DENTISTRY (DFRD)

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## Courses

### **DFRD 5001. Introduction to Restorative Dentistry (Lecture). 4.5 Credit Hours.**

Foundation of Restorative Dentistry (FRD) 1 (Introduction to Restorative Dentistry), is a lecture-based course where first year dental students acquire foundation knowledge necessary to perform laboratory and clinical tasks that will be required for clinical practice. Students apply foundational concepts in a companion preclinical lab course (FRD 2) that runs concurrent with FRD 1 lecture. The primary goals of FRD 1 are to build the students' foundation knowledge related to restoring form, function, and esthetics of the human dentition, to develop the students' foundation knowledge related to the dentition's occlusion, and to establish the students' foundation knowledge related to important properties of biomaterials relevant to restorative dentistry. Registration for this course requires to be enrolled as a DS1 student.

### **DFRD 5002. Introduction to Preclinical Restorative Dentistry (lab). 3 Credit Hours.**

During FRD 2 (Preclinical Introduction to Restorative Dentistry), conducted in a dental simulation lab, first year dental students apply the concepts presented in the companion lecture course FRD 1, which is scheduled concurrently. In FRD 2, students develop the manual dexterity and hand-eye coordination necessary to perform laboratory and clinical tasks that will be required for clinical practice. The primary goals of this course are to build the students foundational knowledge and skills related to restoring form, function, and esthetics of the human dentition, and develop the students foundational knowledge and skills relating to the dentition's occlusion. During FRD 2, students also complete a series of Handskill Development Labs to facilitate development of technical skills that are foundational for dental practice, and develop capacity to use the high-speed dental handpiece effectively. Registration for this course requires to be enrolled as a DS1 student.

### **DFRD 5003. Basic Restorative Procedures-lecture. 1 Credit Hour.**

During FRD 3 (Basic Restorative Procedures), first year dental students are introduced to the foundation knowledge and skills necessary to perform laboratory and clinical tasks required for performing basic restorative procedures to resolve patients' dental problems. Students apply foundational concepts acquired in this lecture-based course in a companion preclinical lab course (FRD 4) that runs concurrent with FRD 3. The primary goal of the FRD 3 course is to build the students' foundation knowledge of the principles of tooth preparation and restoration using direct and indirect restorative materials. Registration for this course requires to be enrolled as a DS1 student.

### **DFRD 5004. Preclinical Basic Restorative Procedures (PCL). 1 Credit Hour.**

During FRD 4 (Preclinical Basic Restorative Procedures), conducted in a dental simulation laboratory, first year dental students apply the concepts presented in the companion lecture course, FRD 3. In FRD 4, students develop the manual dexterity and hand-eye coordination necessary to perform laboratory and clinical tasks that will be required for performing basic restorative procedures during patient care. The combined goal of the FRD 3 and 4 courses are to build students' foundation knowledge of the principles of tooth preparation and restoration using direct and indirect restorative materials, and develop students' capacity to use these principles during patient treatment in the third year dental clinic. Registration for this course requires to be enrolled as a DS1 student.

### **DFRD 6005. Advanced Restorative Procedures (Lecture). 5 Credit Hours.**

During DFRD 6005 (Advanced Restorative Procedures), second year dental students are introduced to more advanced knowledge and skills necessary to perform laboratory and clinical tasks required in complex restorative procedures. Students apply concepts acquired in the lecture-based course in a companion preclinical laboratory course (DFRD 6006) that runs concurrent with DFRD 6005. The primary goal of the DFRD 6005 course is to build upon the students' knowledge of the principles of tooth preparation and restoration using direct and indirect restorative materials in more complex clinical situations. Successful completion of all DS I courses is required to enroll in this course.

### **DFRD 6006. Advanced Restorative Procedures(Lab). 2.5 Credit Hours.**

During DFRD 6006 (Advanced Restorative Procedures), conducted in a dental simulation laboratory, second year dental students apply the concepts presented in the companion lecture course, DFRD 6005. In DFRD 6006, students continue to develop the manual dexterity and hand-eye coordination necessary to perform laboratory and clinical tasks that will be required for performing complex restorative procedures during patient care. The combined goal of the DFRD 6005 and 6006 courses are to build upon the students' knowledge of the principles of tooth preparation and restoration using direct and indirect restorative materials, and develop students' capacity to use these principles during patient treatment. Successful completion of all DS I courses is required to enroll in this course.

### **DFRD 6007. Replacement of Teeth (Lecture). 3 Credit Hours.**

During DFRD 6007 (Replacement of Teeth), second year dental students are introduced to the knowledge and skills necessary to perform laboratory and clinical tasks required in basic prosthodontics procedures to replace missing teeth. Students apply concepts acquired in the lecture-base course in a companion preclinical laboratory course (DFRD 6008) that runs concurrent with DFRD 6007. The primary goal of the DFRD 6007 course is to build student's knowledge of the principles of tooth replacement using complete dentures, removable partial dentures, and implants prosthodontics. Successful completion of all DS I courses is required to enroll in this course.

**DFRD 6008. Preclinical Replacement of Teeth (Lab). 2.5 Credit Hours.**

DFRD 6008 (Preclinical Replacement of Teeth), conducted in a dental simulation laboratory, second year dental students apply the concepts presented in the companion lecture course, DFRD 6007. In DFRD 6008, students develop the manual dexterity and hand-eye coordination necessary to perform laboratory and clinical tasks that will be required in basic prosthodontic procedures during patient care. The combined goals of the DFRD 6007 and DFRD 6008 courses are to build student's foundation knowledge of the principles of tooth replacement using complete dentures, removable partial dentures, and implant prosthodontics, and develop students capacity to use these principles during patient treatment in the third year dental clinic. Successful completion of all DS I courses is required to enroll in this course.