

**University of Detroit Mercy School of Dentistry**  
**Department of Prosthodontics**

Course Syllabus

**Fixed Prosthodontics**  
**DCD 822**

**Course Information**

Web Address: <http://knowledge.udmercy.edu>

**Course Directors:**

|   |   |
|---|---|
| Ahmad Fard DDS, MS<br>315 Manning Hall<br>Office hours:<br>Thursdays 11:00am-12 pm or by<br>appointment<br>Telephone #: 494-6684<br>Email: <a href="mailto:fardam@udmercy.edu">fardam@udmercy.edu</a> | Flor Hernandez DDS, MSD<br>301 Manning Hall<br>Office hours:<br>Wednesday 10:00am – 5:00pm or by<br>appointment<br>Telephone #: 494-6669<br>Email: <a href="mailto:hernanfl@udmercy.edu">hernanfl@udmercy.edu</a> |
|---|---|

**Fall Term , 2007**

DS2 Students (Class of 2010)

Simulation Laboratory and, Thursday afternoons, 1:00 – 5:00 PM

**Credit Hours:** 2

**Prerequisites:** Dental Anatomy & Occlusion

**Lecturers/Support Faculty**

**Lecturers:**

Ahmad Fard DDS, MS

Flor Hernandez DDS, MSD

**Preclinical/Clinical Faculty:**

Dr. Green

Dr. Knapp

Dr. Gerstner

Dr. Gulvezan

Dr. Dannison

Dr. Goldstein

Dr. Hernandez, G

Dr. Morton

### **Academic Policies:**

All policies in the School of Dentistry Academic Policies Handbook including but not limited to academic integrity, mandatory attendance, professional decorum & dress code, identification (ID) badges, preclinical and classroom decorum, use of cell phone and electronic devices, examination policies and exam/quizzes absences apply.

### **Accommodations:**

If you would like to request a classroom, testing, preclinical, clinical, or other accommodation because of a legally protected disability, or if you might require any special assistance in the event of an emergency or evacuation, please contact the University of Detroit Mercy's Office of University Academic Services (UAC) at 313-578-0310 or email your request for information to [gallegem@udmercy.edu](mailto:gallegem@udmercy.edu)

### **Student Evaluation of Instruction**

Student feedback is valued by the faculty and the administration. All students are required to complete the School of Dentistry's on-line course evaluation by a specified date. Failure to comply by posted deadline dates will result in the receipt of an F (Failing) grade of record for the Evaluation Responsibility Course. Only constructive, professional recommendations will be reported and considered.

### **Course Description**

#### **Purpose of the course:**

The purpose of the course is to teach sophomore dental students basic concepts in the discipline of fixed prosthodontics. Issues in the treatment of patients receiving anterior and posterior full coverage crowns will be presented. Active participation by students will be required.

#### **Course Goals:**

The course will introduce basic concepts of and or clinical practice in fixed prosthodontics.

#### **Course Objectives:**

At the conclusion of the course, the dental student will be able to:

1. Understand and apply basic prosthodontic principles in the treatment of anterior porcelain fused to metal crowns.
2. Understand and apply basic prosthodontic principles in the treatment of posterior porcelain fused to metal and posterior metal crowns.
3. Understand and apply basic prosthodontic principles in fabrication of anterior and posterior provisional restorations.
4. Understand physical properties of metals for porcelain fused to metal restorations.

5. Learn the usage of trays and polyvinyl Siloxane impression material.
6. Learn the onlay preparation and its indications.
7. Communicate with dental laboratory and write lab prescription.
8. Finish and polish complete cast crown restoration.

**Instructional Methods:**

in this course will include lecture, cooperative learning experiences, video presentation, competency-based exercises.

**School of Dentistry Competencies**

**Competency-based Education:** Assumes that learning to become an entry-level professional is a progression through stages from novice to competent.

**Stages of Progression to Competence:**

**F or Foundation Knowledge:** Basic knowledge, skills, and attitudes needed to begin the journey to competence.

**N or Novice Level:** Ability to articulate or describe the appropriate skills, knowledge, and professional attitudes. Novices need structure, clarity of goals, single and clearly explained approaches.

**B or Beginner Level:** Combines the appropriate skills, knowledge, and professional attitudes, all of which are performed with guidance and correction.

**C or Competent Level:** Combines the appropriate supporting skills, knowledge, and professional attitudes, all of which are performed reliably without assistance.

|     | <b>Competencies of the Graduating Dental Student</b>  | <b>Addressed</b> | <b>Evaluated</b> | <b>Method</b>            |
|-----|---|------------------|------------------|--------------------------|
| 1.  | The graduating student obtains, records, updates and organizes accurate and completed medical/dental histories including pertinent psychological and socioeconomic information.   | B                | NO               | NA                       |
| 2.  | The graduating student performs, records and organizes a physical assessment appropriate for dental care.   | B                | NO               | NA                       |
| 3.  | The graduating student determines differential, provisional or definitive diagnoses by correlating and interpreting examination and assessment findings.  | B                | NO               | Exam                     |
| 4.  | The graduating student develops alternative treatment plans which are sequenced to address the chief complaint, eliminate oral disease, restore function, and maintain health, and prevent oral disease consistent with assessment and diagnoses. | B                | NO               | Exam                     |
| 5.  | The graduating student establishes with the patient a mutually acceptable treatment plan.   | B                | NO               | NA                       |
| 6.  | The graduating student monitors and provides for patient comfort associated with dental care.   | B                | NO               | NA                       |
| 7.  | The graduating student delivers and/or manages the planned treatment in sequence and in accordance with accepted standards of care.   | N                | NO               | NA                       |
| 8.  | The graduating student promotes health maintenance and disease prevention.  | B                | NO               | NA                       |
| 9.  | The graduating student applies the principles of infection control and environmental safety.  | B                | NO               | NA                       |
| 10. | The graduating student makes professional decisions affecting the practice of dentistry based on values that satisfy legal and ethical principles and service to society.   | B                | NO               | NA                       |
| 11. | The graduating student performs routine self evaluation.  | B                | Yes              | Self-evaluation Criteria |
| 12. | The graduating student applies business and practice management skills.   | N                | NO               | NO                       |
| 13. | The graduating student demonstrates interpersonal skills to function successfully in a multicultural work   | B                | NO               | NA                       |

|            |  |          |            |   |
|------------|--|----------|------------|---|
|            | environment.   |          |            |   |
| <b>14.</b> | The graduate critically evaluates the validity of new information, new products, and/or techniques and their relevance to the practice of dentistry. | <b>B</b> | <b>Yes</b> | <b>Reading Scientific Paper/ Exam/Class participation</b> |

## **Course Policies**

- Failed competencies need to be taken again. The make-up competencies will receive a grade not higher than 70. If student receive a fail grade for make-up, no additional make-up will be given and the grade of 0 (zero) will be recorded.
- Lectures will be posted on the blackboard
- If you miss an exam or a quiz, you need to have an excused absent notification from the office of Academic Affairs in order to have a make-up one.
- Use brown paper to cover your bench top while working in the lab.
- Clean up the mannequin and your bench top at the end of each session.

## **Textbook and Resource Materials**

Contemporary Fixed Prosthodontics by Rosenstiel, Land, and Fujimoto. 4th edition, 2006

## **Evaluation and Grading**

### **Grading Scale**

|           |   |
|-----------|---|
| <b>A</b>  | =94-100%                                    |
| <b>A-</b> | =90-93%                                     |
| <b>B+</b> | =87-89%                                     |
| <b>B</b>  | =83-86%                                     |
| <b>B-</b> | =80-82%                                     |
| <b>C+</b> | =77-79%                                     |
| <b>C</b>  | =73-76%                                     |
| <b>C-</b> | =70-72%                                     |
| <b>D</b>  | =60-69%                                     |
| <b>F</b>  | =below 60%                                  |
| <b>W</b>  | Withdraw, no credit                         |
| <b>I</b>  | Incomplete, a temporary grade not of record |

### **Course Grade Components**

|                    |            |
|--------------------|------------|
| Midterm competency | 20%        |
| Quizzes            | 20%        |
| Final Examination  | 30%        |
| Project One        | 5%         |
| Project Two        | 5%         |
| Final Competency   | <u>20%</u> |
|                    | 100%       |

### Course Evaluation Methods

The course grade will be based on one written examinations (final examination), two competencies (a mid-term competency and a final competency), and on four quizzes. In addition, all the laboratory projects must be completed by November 9, 2007.

### Quizzes

There are four quizzes. Therefore, only **four quizzes** will be counted for 20% of your final grade. Quizzes will be from material discussed in previous lectures presented during this term. The format of the questions will be short answer, essay, true-false, and/or multiple choice. Failure to take a quiz will result in a grade of zero for that quiz. Any individual quiz may be administered at the beginning or end of a lecture as determined by the course director. Once a quiz has started, no additional copies will be distributed.

### Laboratory Projects

There are a number of laboratory projects, which will be graded on the **Pass/Fail** basis. Each project is divided into a number of components, which are identified as **criteria** on the evaluation sheets. Each criterion will be evaluated as follows:

- A. Excellent, above clinical standards of acceptance.
- B. Clinically acceptable.
- C. Criteria not met, Clinically unacceptable.

A project will receive a fail mark if two or more clinically unacceptable criteria are given. The project must be repeated in order to obtain a passing grade. All the projects must be completed by November 10, 2006 with passing grades.

### Two Graded Laboratory Projects

Preparation for complete cast crown for #30 and provisional for #8 will be graded and counts for 10% of your final grade. The same grading system is used for the midterm competency and final competency.

### Midterm and final competencies

The midterm competency is preparation of teeth #19 for full coverage metal crown. The final competency will be PFM preparation of tooth #5 and fabrication of acrylic provisional restoration. The same criteria sheet used for daily lab projects will be used for the competencies. Failed competencies need to be taken again. The make-up competencies will receive a grade not higher than 70. If student receive a fail grade for make-up, no additional make-up will be given and the grade of 0 (zero) will be recorded. Students will receive more detailed information before the date of competencies.

