



# Course Specifications

Institution:	COLLEGE OF DENTISTRY, AL-ZULFI
Academic Department :	PROSTHODONTICS - SDS 323
Programme :	BACHELOR OF DENTAL SURGERY ( BDS )
Course :	FIXED PROSTHODONTICS
Course Coordinator :	DR. MILIND B LIMAYE
Programme Coordinator :	.....
Course Specification Approved Date :	.... / ... / ..... H



## A. Course Identification and General Information

1 - Course title : <b>FIXED PROSTHODONTICS</b>	Course Code: <b>323</b>
2. Credit hours : ( ..... )	
3 - Program(s) in which the course is offered: .....	
4 – Course Language : <b>ENGLISH</b>	
5 - Name of faculty member responsible for the course: <b>DR. MILIND B LIMAYE</b>	
6 - Level/year at which this course is offered : <b>IIIYEAR I &amp; II SEMESTER</b>	
7 - Pre-requisites for this course (if any) : <b>SDS 212</b>	
8 - Co-requisites for this course (if any) : <b>None</b>	
9 - Location if not on main campus :	
10 - Mode of Instruction (mark all that apply)	
A - Traditional classroom	<input checked="" type="checkbox"/> What percentage? <b>100%</b>
B - Blended (traditional and online)	<input type="checkbox"/> What percentage? ..... %
D - e-learning	<input type="checkbox"/> What percentage? ..... %
E - Correspondence	<input type="checkbox"/> What percentage? ..... %
F - Other	<input type="checkbox"/> What percentage? ..... %
Comments :	
<b>Lectures are uploaded online and practicals are conducted in the lab.</b>	

## B Objectives

### What is the main purpose for this course?

By the end of this course the student will be able to;

1. Demonstrate basic knowledge of principles and technique pertaining to the treatment of partially edentulous patients.
2. Diagnose and treatment plan partially edentulous cases for proper Prosthodontic restoration of form and function.
3. Provide current information on standards of care for the management of patients requiring Fixed removable Prosthodontic treatment.
4. Perform all lab procedures required to design/fabricate a Fixed partial denture & prepare the teeth for final delivery of prosthesis.





**Briefly describe any plans for developing and improving the course that are being implemented :**

The course will be taken with the help of power point and videos. In addition Increased use of audiovisual aids like models, presentation and pictures would be recommended.

## **C. Course Description**

1. This course represents the orientation phase to the discipline of Fixed Prosthodontics.
2. It provides a structured framework for the students to learn the scientific basis and fundamental principles of Fixed Prosthodontics.
3. It prepares the student for the practice of sound clinical Fixed Prosthodontics through a pre-clinical phase of mechanical and technical procedures.

### **1. Topics to be Covered**

<b>List of Topics</b>	<b>No. of Weeks</b>	<b>Contact Hours</b>
<b>Introduction and orientation</b>	1	1
<b>Alginate impression and diagnostic cast</b>	1	1
<b>Treatment planning for the replacement of missing teeth</b>	1	1
<b>Principles of tooth preparation</b>	1	1
<b>Retention and resistance and its theoretical and practical attainment</b>	1	1
<b>Metal ceramic crown preparation</b>	1	1
<b>Introduction to ceramics and metal ceramic restoration</b>	1	1
<b>All ceramic crowns</b>	1	1
<b>Impressions</b>	1	1
<b>Fabrication of working cast and dies</b>	1	1
<b>Waxing patterns</b>	1	1
<b>Wax-up procedure, cut back &amp; framework design for MC restoration</b>	1	1
<b>Fundamentals of occlusion and articulators</b>	1	1
<b>Investing and casting</b>	1	1

### **2. Course components (total contact hours and credits per semester): SEMESTER 1**



	Lecture	Tutorial	Laboratory	Practical	Clinical	Total
<b>Contact Hours</b>	14	.....	.....	42	0	56
<b>Credit</b>	14	.....	.....	14	0	28

## SEMESTER 2

	Lecture	Tutorial	Laboratory	Practical	Clinical	Total
<b>Contact Hours</b>	14	.....	.....	42	0	56
<b>Credit</b>	14	.....	.....	14	0	28

**3. Additional private study/learning hours expected for students per week.**

3



#### 4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
<b>1.0</b>	<b>Knowledge: Students will be able to</b>		
<b>1.1</b>	Enumerate types of FPD	Lectures, demonstrations	Written examination, Quiz
<b>1.2</b>	Distinguish the basic clinical and laboratory steps for FPD	Lectures, demonstrations,	Written examination, Quiz, practical examination
<b>1.3</b>	Treatment planning of replacement of missing teeth ( partially edentulous )	Lectures, demonstrations	Written examination, Quiz, practical examination
<b>1.4</b>	Classify principles of tooth preparation.	Lectures, demonstrations	Written examination, Quiz, practical examination
<b>1.5</b>	Describe the rationale of material selection for different types of Fixed prosthodontic replacements.	Lectures, demonstrations	Written examination, Quiz
<b>1.6</b>	Understand the steps for preparing various types of crowns and bridges	Lectures, demonstrations,	Written examination, Quiz, practical examination
<b>1.7</b>	Have the basic knowledge of occlusion and articulators.	Lectures, demonstrations,	Written examination, Quiz, practical examination
<b>2.0</b>	<b>Cognitive Skills</b>		
<b>2.1</b>	Students should be able to define, describe all the various techniques, materials and treatment plans.	Lectures, group discussions, practicals	Written examination, Quiz, practical examination
<b>2.2</b>	Students should be able to paraphrase the topic learned.	Lectures, group discussions, practicals	Written examination, Quiz, practical examination
<b>2.3</b>	Summarise the lengthy topics.	Lectures, group discussions, practicals	Written examination, Quiz, practical





	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
			examination
<b>3.0</b>	<b>Interpersonal Skills &amp; Responsibility</b>		
<b>3.1</b>	Should learn to take manage a group task and work with others	Students will be divided into small groups and tasks will be assigned to the group  Part of some lectures will be specified for group discussions.	The group task will be supervised closely to evaluate the work done by each student
<b>4.0</b>	<b>Communication, Information Technology, Numerical</b>		
<b>4.1</b>	The students should use medical terminology in English, verbally	Seminar presentation	Seminar evaluation
<b>4.2</b>	The students should refer to the text book as well as internet web sites for their more information.	Research and group discussions	Written examination and research presentation
<b>5.0</b>	<b>Psychomotor</b>		
<b>5.1</b>			





## 5. Schedule of Assessment Tasks for Students during the Semester:

	Assessment task	Week Due	Proportion of Total Assessment
1	Quiz and seminar	.....	10%
2	General Assessment	14 <sup>th</sup>	30%
3	Mid term	7 <sup>th</sup>	20%
4	Practical exam (final term) & Theory exam (final term)	14 <sup>th</sup>	40%

## D. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

Office hours

Tue:

10:00 to 12:00 noon

Wed:

11:00 to 1:00 pm

## E. Learning Resources

### 1. List Required Textbooks :

- Fundamentals of Fixed Prosthodontics, Herbert T. Shillingberg

### 2. List Essential References Materials :

- Journal Of Prosthetic Dentistry

### 3. List Recommended Textbooks and Reference Material :





- Contemporary Fixed Prosthodontics, Stephen F. Rosenstiel

#### **4. List Electronic Materials :**

- [www.google.com](http://www.google.com)

#### **5. Other learning material :**

- International Journal Of Prosthetic Dentistry

## **F. Facilities Required**

### **1. Accommodation**

- A class room with a seating capacity of 30 students
- A spacious laboratory for practical

### **2. Computing resources**

- One computer in the classroom,
- Projector.
- Smart board.
- Data show Projector.
- Smart board.
- Data show

### **3. Other resources**







## G Course Evaluation and Improvement Processes

### 1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching:

- The students will be given a feedback form, which can be submitted to the course director or to the dean which will help in improvement of the subject teaching

### 2 Other Strategies for Evaluation of Teaching by the Program/Department Instructor :

- The head of the department or the Dean has informal meetings with groups of students to discuss the contents of the course, method of teaching to evaluate the course and the instructor.
- The dean randomly attends lectures to assess the instructor. The power point presentation of each lecture is distributed to all the staff members of the department for evaluation and suggestions for improvement

### 3 Processes for Improvement of Teaching :

- Teachers will be subjected to go for up gradation of knowledge by attending the relevant conferences and will be encouraged to carry on a self-improvement

### 4. Processes for Verifying Standards of Student Achievement

- Other staff members are invited to attend the seminar presentation of students to verify the standards of student learning and their work.

### 5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement :

- Meetings will be conducted every week in the department to update the status of each student and the difficulties felt by the colleague will be resolved accordingly.

## Course Specification Approved

Department Official Meeting No ( ..... ) Date ... / .... / ..... **H**

### Course's Coordinator

Name : .....

Signature : .....

Date : .../ ... / ..... **H**

### Department Head

Name : .....

Signature : .....

Date : .../ ... / ..... **H**

