



## Course Specifications

Institution:	MAJMAAH UNIVERSITY/ COLLEGE OF DENTISTRY, AL-ZULFI
Academic Department :	PROSTHODONTICS - SDS 313
Programme :	BACHELOR OF DENTAL SURGERY ( BDS )
Course :	PRE-CLINICAL REMOVABLE PROSTHODONTICS
Course Coordinator :	DR. ATUL BHARDWAJ
Programme Coordinator :	DR. ABDUL RAHMAN ALATRAM
Course Specification Approved Date :	17/ 03/1437 H



## A. Course Identification and General Information

1 - Course title :	PRE-CLINICAL REMOVABLE PROSTHODONTICS	Course Code:	313 SDS
2. Credit hours :	( 4 )		
3 - Program(s) in which the course is offered:	BDS		
4 – Course Language :	ENGLISH		
5 - Name of faculty member responsible for the course:	DR. ATUL BHARDWAJ		
6 - Level/year at which this course is offered :	III YEAR I & II SEMESTER		
7 - Pre-requisites for this course (if any) :	SDS 212		
8 - Co-requisites for this course (if any) :	None		
9 - Location if not on main campus :	ZULFI		
10 - Mode of Instruction (mark all that apply)			
A - Traditional classroom	<input checked="" type="checkbox"/>	What percentage?	50%
B - Blended (traditional and online)	<input checked="" type="checkbox"/>	What percentage?	10 %
D - e-learning	<input checked="" type="checkbox"/>	What percentage?	5%
E – Correspondence	<input type="checkbox"/>	What percentage?	..... %
F - Other	<input checked="" type="checkbox"/>	What percentage?	35%
Comments :	Lectures are uploaded online and practicals are conducted in the lab.		

## B Objectives

<p>What is the main purpose for this course?</p> <p>By the end of this course student will be able to;</p> <ol style="list-style-type: none"> <li>1. Demonstrate basic knowledge of principles and technique pertaining to the treatment of edentulous and partially edentulous patients.</li> <li>2. Diagnose and treatment plan edentulous and partially edentulous cases for proper Prosthodontic restoration of form and function.</li> <li>3. Provide current information on standards of care for the management of patients requiring removable Prosthodontic treatment.</li> <li>4. Perform all lab procedures required to design/fabricate a removable complete or partial denture.</li> </ol>
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**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**

This course consists of theoretical and laboratory components and is limited to the teaching of conventional complete and removable partial dentures. It covers theoretical background for different phases of treatment with conventional complete and removable partial dentures. Syllabus includes diagnosis, treatment planning, treatment procedures and follow-up of treatment. Lectures focus on basic concepts, principles, indications, and limitations of these clinical & lab procedures. During Laboratory sessions students are instructed to do all the laboratory work required for removable partial denture & complete denture fabrication.

### **1. A- Topics to be Covered in I<sup>st</sup> Semester**

<b>S. no.</b>	<b>List of Topics</b>	<b>No. of Weeks</b>	<b>Contact Hours</b>
1	<b>Introduction and orientation</b>	1	1
2	<b>Surgical &amp; Non-surgical preparation of mouth for complete denture service</b>	1	1
3	<b>Principles and objectives of impression making for complete dentures</b>	1	1
4	<b>Various techniques for posterior palatal seal</b>	1	1
5 & 6	<b>Border moulding &amp; final impression</b>	2	2
7 & 8	<b>Recording maxillo-mandibular relations</b>	2	2
9	<b>Selection of artificial teeth, various methods and anatomic factors.</b>	1	1
10	<b>Philosophy of occlusion, occlusion concept &amp; schemes in complete denture</b>	1	1
11 & 12	<b>Teeth arrangement for complete denture</b>	2	2
13	<b>Try-in for complete dentures</b>	1	1
14	<b>Complete denture placement and clinical remount procedures.</b>	1	1
15	<b>Post insertion problems and management of problems in complete dentures</b>	1	1



## 1. B- Topics to be Covered in II<sup>nd</sup> Semester

S. no.	List of Topics	No. of Weeks	Contact Hours
1	Major Connectors	1	1
2	Direct retainers	1	1
3 & 4	Indirect retainers, Rests and Rest Seats	2	2
5	Mouth preparation for RPD.	1	1
6 & 7	Surveying	2	2
8 & 9	Designing of RPD	2	2
10 & 11	Impression procedure for RPD	2	2
12	Metal framework try in	1	1
13	Jaw relation records and techniques for RPD	1	1
14	Selection and arrangement of teeth for RPD	1	1
15	RPD Insertion & follow-up.	1	1

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

		Lecture	Tutorial	Practical	Clinical	Other:	Total
Contact Hours	1 <sup>st</sup> semester	15	.....	45	.....	.....	60
	2 <sup>nd</sup> semester	15	.....	45	.....	.....	60
Credit	1 <sup>st</sup> semester	1	.....	1	.....	.....	2
	2 <sup>nd</sup> semester	1	.....	1	.....	.....	2

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

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#### 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:</b>		
<b>1.1</b>	Know about definition, terminology & branches of removable prosthodontics	Lectures, demonstrations	Written examination, Quiz
<b>1.2</b>	Know about mouth preparations prior to treatment of removable prosthesis	Lectures, demonstrations,	Written examination, Quiz, practical examination
<b>1.3</b>	Understand the principles and objectives of impression making	Lectures, demonstrations	Written examination, Quiz, practical examination
<b>1.4</b>	Know about various jaw relation's types and techniques to record them.	Lectures, demonstrations	Written examination, Quiz, practical examination
<b>1.5</b>	Understand the philosophies of occlusion and schemes in complete dentures.	Lectures, demonstrations	Written examination, Quiz
<b>1.6</b>	Know the various laboratory and clinical steps for fabrication of Complete denture	Lectures, demonstrations,	Written examination, Quiz, practical examination
<b>1.7</b>	Understand various components, surveying & designing of RPD.	Lectures, demonstrations,	Written examination, Quiz, practical examination
<b>1.8</b>	Know the various impression procedures' metal framework try-in, jaw relation techniques for RPD	Lectures, demonstrations,	Written examination, Quiz, practical examination
<b>1.9</b>	Understand insertion, instruction and follow up of RPD patients.	Lectures, demonstrations,	Written examination, Quiz, practical examination
<b>2.0</b>	<b>Cognitive Skills</b>		
<b>2.1</b>	Students should evaluate different criteria for record base and occlusion rims.	Lectures, group discussions, practicals	Written examination, Quiz, practical examination
<b>2.2</b>	Evaluate teeth selection & arrangements for different	Lectures, group	Written





	<b>NQF Learning Domains And Course Learning Outcomes</b>	<b>Course Teaching Strategies</b>	<b>Course Assessment Methods</b>
	edentulous conditions of removable prosthesis.	discussions, practical	examination, Quiz, practical examination
<b>2.3</b>	Students should critically analyzed different fabrication techniques for removable prosthesis.	Lectures, group discussions, practical	Written examination, Quiz, practical examination
<b>3.0</b>	<b>Interpersonal Skills &amp; Responsibility</b>		
<b>3.1</b>	Should learn to manage a group task and work with others	Students will be divided into small groups and tasks will be assigned to the group	The group task will be supervised closely to evaluate the work done by each student
<b>3.2</b>	Students should participate in research, seminars & discussions & take responsibility to present the given topic in scientific approach.	Practical demonstration & exposure	Practical exam and assessment
<b>3.3</b>	Cooperate with colleagues and staff during discussion and debates.	Practical demonstration & exposure	Practical exam and assessment
<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 presentation
<b>5.0</b>	<b>Psychomotor</b>		
<b>5.1</b>	Perform various record base & occlusal rims fabrication techniques over the ideal cast for removable prosthesis.	Practical demonstration & exposure	Practical exam and assessment
<b>5.2</b>	Mounting procedures of record rims in articulators	Practical demonstration & exposure	Practical exam and assessment
<b>5.3</b>	Perform teeth arrangement over record rims in articulator for removable prosthesis.	Practical demonstration & exposure	Practical exam and assessment
<b>5.3</b>	Perform waxing & carving procedure over trial denture.	Practical demonstration & exposure	Practical exam and assessment
<b>5.4</b>	Perform flasking, dewaxing, packing & curing procedures for fabrication of removable prosthesis	Practical demonstration & exposure	Practical exam and assessment



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

	Assessment task	Week Due	Proportion of Total Assessment
	<b>1<sup>st</sup> Semester</b>		
1	Midterm written examination	7 <sup>th</sup>	20%
2	Midterm practical examination	7 <sup>th</sup>	10%
3	Practical assessments	During	10%
5	Oral assessments	During	10%
6	Behavior and attitude	During	5%
7	Research	During	2%
8	Presentation	During	1%
9	Quiz	During	2%
10	Final practical exam	16 <sup>th</sup>	10%
11	Final written examination	16 <sup>th</sup>	30%
	<b>2<sup>nd</sup> Semester</b>		
12	Midterm written examination	7 <sup>th</sup>	20%
13	Midterm practical examination	7 <sup>th</sup>	10%
14	Practical assessments	During	10%
15	Oral assessments	During	10%
16	Behavior and attitude	During	5%
17	Research	During	2%
18	Presentation	During	1%
19	Quiz	During	2%
20	Final practical exam	16 <sup>th</sup>	10%
21	Final written examination	16 <sup>th</sup>	30%







## D. Student Academic Counseling and Support

Students are supported by academic guidance during office hours and provide them with guidance and advice, as well as scientific knowledge of students' problems and how to solve it.

## E. Learning Resources

### 1. List Required Textbooks :

- Boucher's prosthodontic treatment for edentulous patients, Boucher, Carl O.
- McCracken's Removable Partial Prosthodontics, Alan B. Carr

### 2. List Essential References Materials :

- Journal Of Prosthetic Dentistry

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

- Dental Laboratory Procedures: Complete dentures, Vol-1 ( Rudd & Morrow)
- Dental Lab Procedures: Removable partial dentures. ( Rudd & Morrow)

### 4. List Electronic Materials :

- www.google.com
- Articles prepared by course director
- Video for prosthesis treatment procedures & techniques.
- Presentations.

### 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.

### 3. Other resources

- Practical demonstration
- Equipped dental units
- Hand instruments for clinical sessions







## 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 ( 3 ) Date 17/ 03/1437 H


**Course's Coordinator**

**Department Head**

**Name :** Atul Bhardwaj

**Name :** Dr Karhiga Kannan.

**Signature :** 

**Signature :** 

**Date :** 12./ 03/1437 H

**Date :** 17/ 03/1437 H

