



# Course Specifications

<b>Course Title:</b>	<b>Introduction to Prosthodontics</b>
<b>Course Code:</b>	<b>SDS 212</b>
<b>Program:</b>	<b>Bachelor of Dentistry [ BDS ]</b>
<b>Department:</b>	<b>Substitutive Dental Sciences</b>
<b>College:</b>	<b>College of Dentistry</b>
<b>Institution:</b>	<b>Majmaah University</b>

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## A. Course Identification

<b>1. Credit hours:</b> 2 (1+1)
<b>2. Course type</b> a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/> b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
<b>3. Level/year at which this course is offered:</b> 2 <sup>nd</sup> year/ 2 <sup>nd</sup> semester
<b>4. Pre-requisites for this course (if any):</b> NA
<b>5. Co-requisites for this course (if any):</b> NA

### 6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	15	25%
2	Blended	NA	NA
3	E-learning	NA	NA
4	Correspondence	NA	NA
5	Other	45	75%

### 7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
<b>Contact Hours</b>		
1	Lecture	15
2	Laboratory/Studio	45
3	Tutorial	-
4	Others (specify)	-
	<b>Total</b>	60
<b>Other Learning Hours*</b>		
1	Study	45
2	Assignments	15
3	Library	15
4	Projects/Research Essays/Theses	-
5	Others (specify)	-
	<b>Total</b>	75

\* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

## B. Course Objectives and Learning Outcomes

### 1. Course Description

This course introduces the students to the dental discipline of Prosthodontics. The didactic component of the course familiarizes the students with the biological and technical aspects of Prosthodontics and its terminologies. The practical component of the course is an introduction to occlusion and provides the students with a basic knowledge concerning the static and dynamic aspects of occlusion and the importance of occlusion to all disciplines in dentistry. During practical sessions, students get to practice how to examine and analyze occlusion in different situations and learn basic prosthodontic laboratory procedures.

### 2. Course Main Objective

1. The primary goal of this course is to familiarize the students with the biological and technical aspects of prosthodontics in general, dental anatomy and occlusion in particular.
2. The student should be able to demonstrate abilities of understanding and using different prosthodontic terminologies.
3. The students should be able to demonstrate the abilities and skills to do all the assigned laboratory procedures.
4. The students should be able to illustrate the basic knowledge and skills of how to examine and analyze the occlusion.

### 3. Course Learning Outcomes

CLOs		Aligned PLOs
<b>1</b>	<b>Knowledge:</b>	
<b>K1.9</b>	Define the basics of normal oral anatomy of edentulous jaws.	K1
<b>K3.17</b>	Define the functions of edentulous jaws and its application towards the practice of prosthetic procedures.	K3
<b>2</b>	<b>Skills :</b>	
<b>S1.10</b>	Develop critical thinking and reasoning skills to formulate management plan for rehabilitative dental procedures.	S1
<b>S6.16</b>	Demonstrate skills for hands-eye coordination during pre-clinical exercises involving prosthetic rehabilitation.	S6
<b>3</b>	<b>Competence:</b>	
<b>C1.11</b>	Demonstrate ethical and professional responsibilities by the students in attending lecture and lab sessions of pre-clinical rehabilitative dental procedures	C1

## C. Course Content

No	List of Topics	Contact Hours
1	Introduction to prosthodontics.	1
2	Oral Anatomy in Relation to Complete Dentures Construction.	2
3	Principles for complete denture prosthodontics.	1
4	Stock impression trays and construction of casts.	1
5	Mandibular Positions and Jaw Relations.	1
6	Introduction to Articulators.	1
7	Arrangement of Anterior and Posterior Teeth.	1
8	Complete Denture Wax-up and Flasking procedures.	1
9	Denture repair.	1
10	Components and functions of removable partial dentures.	1
11	Surveying of partially edentulous casts.	1
12	Abutment teeth preparation.	1
13	Direct and indirect retainers.	1
14	Laboratory procedures of making a conventional removable partial dentures	1
<b>Total</b>		<b>15</b>

## D. Teaching and Assessment

### 1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
<b>1.0</b>	<b>Knowledge</b>		
<b>K1.9</b>	Define the basics of normal oral anatomy of edentulous jaws.	Lectures, Demonstrations	Written exams, Oral exam, OSPE, OSCE, Assignments, Practical exam
<b>K3.17</b>	Define the functions of edentulous jaws and its application towards the practice of prosthetic procedures.	Lectures with PBL, Lab sessions	Written exams, Oral exam, OSPE, OSCE, Assignments, Practical exam
<b>2.0</b>	<b>Skills</b>		
<b>S1.10</b>	Develop critical thinking and reasoning skills to formulate management plan for rehabilitative dental procedures.	Lectures with PBL, Lab sessions	Written exams, Oral exam, Weekly assessment
<b>S6.16</b>	Demonstrate skills for hands-eye coordination during pre-clinical exercises involving prosthetic rehabilitation.	Lab session	Practical exam, Weekly Assessment
<b>3.0</b>	<b>Competence</b>		

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
C1.11	Demonstrate ethical and professional responsibilities by the students in attending lecture and lab sessions of pre-clinical rehabilitative dental procedures.	Lecture, Lab session (Homeworks/Assignments)	Approved procedures documented in logbook, Assignments, Practical exam, Weekly Assessment

## 2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Professionalism	During	5%
2	Quiz	During	5%
3	Midterm Theory Exam	Will be announced	20%
4	Oral assessments	During	5%
5	Assignment/Homework	During	5%
6	Weekly Practical assessments	During	20%
7	Final practical Exam	During	20%
8	Final Theory Exam	End of the session	20%

\*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

## E. Student Academic Counseling and Support

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

The student shall avail the consultancy during the displayed office hours

## F. Learning Resources and Facilities

### 1. Learning Resources

<b>Required Textbooks</b>	<ul style="list-style-type: none"> <li>• McCracken's Removable Partial Prosthodontics, Allan B. Carr &amp; David T. B, Elsevier-13<sup>rd</sup> edition</li> <li>• Prosthodontic treatment of edentulous patient, Zarb, Hobkirk, Eckert, Jacob, 13<sup>th</sup> edition</li> <li>• Fundamentals of Fixed Prosthodontics, Herbert T. Shillingburg, Quintessence Pub. Co 2012.3<sup>rd</sup> edition</li> <li>• Text book of prosthodontics, Nallaswamy, Jaypee publisher, 2006</li> </ul>
<b>Essential References Materials</b>	<ul style="list-style-type: none"> <li>• Journal Of Prosthetic Dentistry</li> </ul>
<b>Electronic Materials</b>	None

<b>Other Learning Materials</b>	None
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## 2. Facilities Required

Item	Resources
<b>Accommodation</b> (Classrooms, laboratories, demonstration rooms/labs, etc.)	<ul style="list-style-type: none"> <li>• A class room with a seating capacity of 30 students</li> <li>• A spacious laboratory for practical</li> </ul>
<b>Technology Resources</b> (AV, data show, Smart Board, software, etc.)	<ul style="list-style-type: none"> <li>• One computer in the classroom,</li> <li>• Projector.</li> <li>• Smart board.</li> <li>• Data show Projector.</li> </ul>
<b>Other Resources</b> (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	<ul style="list-style-type: none"> <li>• Equipped dental units.</li> </ul>

## G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	<ul style="list-style-type: none"> <li>✓ Course Evaluation Survey</li> <li>✓ Quality of Exam Survey</li> </ul>
	Faculty	<ul style="list-style-type: none"> <li>✓ CLO Mapping with teaching &amp; assessment.</li> <li>✓ Course Blueprinting</li> <li>✓ Grade Analysis</li> <li>✓ Psychometric Analysis</li> </ul>
	Peers	Grade Verification
Extent of achievement of course learning outcomes	Faculty member / Quality assurance committee	<ul style="list-style-type: none"> <li>✓ Direct assessment outcome analysis</li> <li>✓ Course report preparation</li> </ul>
Quality of learning resources, etc	Students / Faculty	<ul style="list-style-type: none"> <li>✓ Academic advising survey</li> <li>✓ Student experience survey</li> </ul>

**Evaluation areas** (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

**Evaluators** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## H. Specification Approval Data

<b>Council / Committee</b>	<b>Department Council</b>
<b>Reference No.</b>	
<b>Date</b>	26-08-1440