



Course Specifications

Course Title:	Pre-Clinical Removable Prosthodontics
Course Code:	SDS 314
Program:	Bachelor of Dentistry [BDS]
Department:	Pre-Clinical removable Prosthodontics
College:	College of Dentistry
Institution:	Majmaah University

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A. Course Identification

1. Credit hours: 4 (2+2)
2. Course type
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"/>
3. Level/year at which this course is offered: 3 rd Year / 1 st and 2 nd Semester
4. Pre-requisites for this course (if any): SDS212
5. Co-requisites for this course (if any): NA

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	25 %
2	Blended	NA	NA
3	E-learning	NA	NA
4	Correspondence	NA	NA
5	Other - Laboratory	90	75%

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	30
2	Laboratory/Studio	90
3	Tutorial	-
4	Others (specify) /Clinic	-
	Total	120
Other Learning Hours*		
1	Study	45
2	Assignments	15
3	Library	15
4	Projects/Research Essays/Theses	-
5	Others (specify)	-
	Total	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 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.

2. Course Main Objectives

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

1. Demonstrate basic knowledge of principles and technique pertaining to the treatment of edentulous and partially edentulous patients.
2. Diagnose and treatment plan edentulous and 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 removable Prosthodontic treatment.
4. Perform all lab procedures required to design/fabricate a removable complete or partial denture.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
K1.13	Define, describe, classify and identify the different dental techniques, concepts, procedures and materials for removable prosthesis.	K1
2	Skills :	
S1.13	Correlate between functions & components of different oral structures, dental techniques, concepts, procedures and materials for removable prosthesis.	S1
S6.7	Perform and demonstrate skills for hands-eye coordination during various pre-clinical procedures and techniques for fabrication and repairing of various removable prosthesis.	S6
3	Competence:	
C2.13	Demonstrate collaborative teamwork and leadership spirit during learning performing & using various removable Prosthetic options, techniques, materials, instruments, equipment & procedures.	C2

C. Course Content

No	List of Topics	Contact Hours
1	Introduction and orientation 1. Terminology, functions and parts of CD and RPD	1
2	Surgical and Non-surgical preparation of mouth for Complete Denture service 1. Indications 2. Methods 3. Importance of pre prosthetic surgery	1
3	Principles and objectives of impression making for Complete Dentures 1. Definitions 2. Principles and objectives of CD impressions 3. Materials and techniques used	1
4	Various techniques for posterior palatal seal 1. Definition 2. Importance 3. Techniques and materials	1
5&6	Border Moulding & Final impression 1. Material for border moulding 2. Border moulding procedure 3. Material for final impression 4. Technique for final impression	2
7&8	Recording maxilla-mandibular Relations 1. Definition, Classifications 2. Recording orientation jaw relation 3. Techniques for vertical jaw relation 4. Techniques for horizontal jaw relation	2
9	Selection of anterior artificial teeth, various methods and anatomic factors 1. Criteria for selection of artificial teeth 2. Importance of esthetics in CD	1
10	Philosophy of occlusion, occlusal concept and occlusal schemes in CD 1. Definitions 2. Concepts of occlusion 3. Occlusion in complete dentures	1

11&12	Teeth Arrangement for complete denture 1. Types of teeth materials 2. Maxillary & mandibular Anterior teeth Arrangement 3. Maxillary & mandibular Posterior teeth Arrangement.	2
13	Try- in for complete dentures 1. Importance 2. Technique	1
14	Complete denture placement and clinical remount procedures 1. Post insertion instructions 2. Importance of occlusion verification 3. Techniques for clinical remounting	1
15	Post insertion problems and management of problems in complete dentures 1. Classification of post insertion problems 2. Diagnosis of problem etiology and its correction	1
Second Semester		
1	Major Connectors 1. Definition & classification 2. Indication, contraindication & types	1
2	Direct retainers 1. Definition, classification & function 2. Indication and contraindication	1
3&4	Indirect retainers, Rests and Rest Seats 1. Types and functions Indications and contra-indications.	2
5	Mouth preparation for RPD. 1. Importance of mouth preparation. 2. Various preparation & types.	1
6&7	Surveying 1. Types & procedure 2. Indications or uses.	2
8&9	Designing of RPD 1. Principles & Objectives. 2. Stress distribution in RPD	2
10&11	Impression procedure for RPD 1. Techniques 2. Materials.	2
12	Metal framework try in	1

	1. Errors & Removal of errors.	
13	Jaw relation records and techniques for RPD 1. Jaw relation procedures & articulation	1
14	Selection and arrangement of teeth for RPD 1. Selection & criteria for arrangement of teeth.	1
15	RPD Insertion & follow-up. 1. Insertion & Instructions, follow up.	1
	Total	30

D. Teaching and Assessment

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

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1	Knowledge		
K1.13	Define, describe, classify and identify the different dental techniques, concepts, procedures and materials for removable prosthesis.	Lectures with PBL, lab sessions	Written exams , Oral Exam, OSPE, OSCE, Assignments, Practical Exam
2	Skills :		
S1.13	Correlate between functions & components of different oral structures, dental techniques, concepts, procedures and materials for removable prosthesis.	Lectures with PBL, lab sessions	Written exams; Oral Exam; Weekly assessment
S6.7	Perform and demonstrate skills for hands-eye coordination during various pre-clinical procedures and techniques for fabrication and repairing of various removable prosthesis.	Lab Session	Practical exam, Weekly assessment
3	Competence:		
C2.13	Demonstrate collaborative teamwork and leadership spirit during learning, performing & using various removable Prosthetic options, techniques, materials, instruments, equipment & procedures.	Lab Session	Approved procedures documented in logbook, Assignments

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Professionalism	During the course	5%
2	Quiz	During the course	5%
3	Midyear Theory Exam	During the course	20%
4	Midyear Practical Exam	During the course	20%
5	Weekly Practical assessments	During the course	10%
6	Final practical Exam	During the course	20%
7	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

Required Textbooks	<ul style="list-style-type: none"> ✓ Prosthodontic treatment for edentulous patients, Zarb, Hobkirk, Ekcert, Jacob, 13th edition. ✓ McCracken's Removable Partial Prosthodontics, Alan B. Carr 13th edition.
Essential References Materials	<ul style="list-style-type: none"> ✓ Journal Of Prosthetic Dentistry ✓ Dental Laboratory Procedures: Complete dentures, Rudd & Morrow, volume 1. ✓ Dental Lab Procedures: Removable partial dentures, Rudd & Morrow, volume 3.
Electronic Materials	None
Other Learning Materials	None

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	<ul style="list-style-type: none"> ✓ Lecture room suitable for 30 students ✓ Fully equipped lab for practical sessions
Technology Resources (AV, data show, Smart Board, software, etc.)	<ul style="list-style-type: none"> ✓ Projector ✓ Smart board with all the accessories ✓ Internet
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	<ul style="list-style-type: none"> ✓ Equipped dental units.

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	<ul style="list-style-type: none"> ✓ Course Evaluation Survey ✓ Quality of Exam Survey
	Faculty	<ul style="list-style-type: none"> ✓ CLO Mapping with teaching & assessment. ✓ Course Blueprinting ✓ Grade Analysis

Evaluation Areas/Issues	Evaluators	Evaluation Methods
		✓ Psychometric Analysis
	Peers	Grade Verification
Extent of achievement of course learning outcomes	Faculty member / Quality assurance committee	✓ Direct assessment outcome analysis ✓ Course report preparation
Quality of learning resources, etc	Students / Faculty	✓ Academic advising survey ✓ Student experience survey

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

Council / Committee	Department Council
Reference No.	
Date	26/08/1440H