



Course Specifications

Course Title:	COMPREHENSIVE CLINICAL DENTISTRY
Course Code:	SDS-513
Program:	BACHELOR OF DENTAL SURGERY (BDS)
Department:	SUBSTITUTIVE DENTAL SCIENCE - SDS 513
College:	COLLEGE OF DENTISTRY, AL-ZULFI
Institution:	Majmaah University

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A. Course Identification

1. Credit hours: 8 (2+6)
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: 9 th and 10 th /5 th Year
4. Pre-requisites for this course (if any): RDS-413, RDS-423,PDS-413,SDS-413
5. Co-requisites for this course (if any): None

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	10%
2	Blended	NA	NA
3	E-learning	NA	NA
4	Correspondence	NA	NA
5	Other/ laboratory	270	90%

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	30
2	Laboratory/Studio	270
3	Tutorial	-
4	Others (specify)	-
	Total	300
Other Learning Hours*		
1	Study	120
2	Assignments	30
3	Library	30
4	Projects/Research Essays/Theses	30
5	Others	-
	Total	210

* 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

1. This course represents the extensive phase to the discipline of Clinical Dentistry.
2. It provides advance knowledge for the students to learn the comprehensive techniques & procedure of clinical dentistry.
3. It prepares the student for the comprehensive practice of clinical dentistry through lectures, demonstration, discussions of mechanical and technical procedures.

2. Course Main Objective

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

1. Diagnose and plan inter-disciplinary treatment for dental patient.
2. Demonstrate comprehensive knowledge regarding principles and techniques of treatment of dental patients.
3. Provide current information on standards of care for the management of dental patients.
4. Perform advanced techniques in preventive, restorative, oral surgery and prosthodontics to restore cases to proper form and functions.
5. Perform all lab procedures required to design/fabricate a final prosthesis.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
K4.2	Describe the principles of evidence based practice of preventive, restorative, surgical and rehabilitative procedures in comprehensive clinics.	K1
K4.3	Identify medical conditions that require management before, during and after dental procedures to practice evidence based dentistry in comprehensive clinics.	K2
2	Skills :	
S3.17	Develop the ability to critically analyse differential diagnose to arrive diagnosis with various investigations and plan the treatment for the dental abnormalities.	S1
S6.13	Demonstrate hand-eye coordination, skills for clinical examination, diagnosis and treatment of different preventive, restorative, surgical and rehabilitative procedures in comprehensive clinics	S6
3	Competence:	

CLOs		Aligned PLOs
C2.23	Demonstrate leadership skills and coordinate with fellow colleagues to submit a group task or assignment	C2

C. Course Content

No	List of Topics	Contact Hours
1	Course introduction, orientation and Interdisciplinary treatment planning	1
2	Inter-disciplinary treatment planning	1
3	Medically Compromised Patients	1
4	Periodontal Examination, Diagnosis & Investigations	1
5	Periodontal treatment Protocols (Biological structures, Preventive measures/ mechanical, chemical & surgical) Part I	2
6	Examination, Diagnosis, Investigations & Treatment plan (caries detection, Preventive measures, managements of deep caries lesions) in Restorative Dentistry	1
7	Examination, Diagnosis & investigations in Endodontics Dentistry	1
8	Restoration of endodontically treated teeth	1
9	Examination, Diagnosis & Investigations in Removable Prosthodontic Dentistry	1
10	Examination, Diagnosis & Investigation in Fixed Prosthodontic Dentistry	1
11	TMD treatment planning, treatment and management	1
12	Radiographic Interpretation of Maxillofacial pathology	1
13	Research methodology	1
14	Revision	1
15	Various treatment options in Removable Prosthodontic Dentistry	1
16	Troubleshootings in Removable Prosthodontics	
17	Post & Core and restorability of structurally compromised teeth	1
18	New endodontic instrumentation tech (Part 1)	1
19	New endodontic instrumentation tech (Part 11)	1
20	New trend in Endodontic obturation techniques	1
21	Dental Trauma	1
22	Cementation & post insertion problems in fixed Prosthodontics	1
23	Occlusion	1
24	Radiation hazards and protection in dentistry	1
25	Differential diagnosis and management of head and neck swellings	1
26	Scientific writing or presentation of a case report	1
27	Forensic dentistry	1
28	Regulation of practice health professions	1
29	Various treatment options in Fixed Prosthodontic Dentistry	1

30	Review	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
1.0	Knowledge		
K4.2	Describe the principles of evidence based practice of preventive, restorative, surgical and rehabilitative procedures in comprehensive clinics.	Lectures, E-learning, Text books, clinical Discussion, demonstrations	Written examination, Quiz, research
K4.3	Identify medical conditions that require management before, during and after dental procedures to practice evidence based dentistry in comprehensive clinics.	Lectures, E-learning, Text books, clinical Discussion, demonstrations	Written examination, Quiz, research
2.0	Skills		
S3.17	Develop the ability to critically analyse differential diagnose to arrive diagnosis with various investigations and plan the treatment for the dental abnormalities.	Lectures, Clinical training, chair side discussion, PBL sessions in lecture	Written examination, research and Quiz
S6.13	Demonstrate hand-eye coordination, skills for clinical examination, diagnosis and treatment of different preventive, restorative, surgical and rehabilitative procedures in comprehensive clinics.	Clinical session	Written examination, research and Quiz
3.0	Competence		
C2.23	Demonstrate leadership skills and coordinate with fellow colleagues to submit a group task or assignment	Students will be divided into small groups and tasks will be assigned to the group	The group task / Assignment will be supervised closely and the work done by each student will be evaluated using rubrics

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Midyear Theory Exam	Will be announced	10%
2	Quiz	During the course	5%
3	Behavior and attitude	During the course	5%
4	Research/ seminar		5%
5	Weekly clinical assessments	Weekly	35%

#	Assessment task*	Week Due	Percentage of Total Assessment Score
6	Final Theory Exam	Will be announced	10%
7	Final year practical examination	At the end	30%

*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 availability of the staff will be placed in front of the office in staff schedule as office hours.
- Academic advising unit for each year functions separately, it will hold periodic meeting with the students for feed back
- Students will be informed in advance to assemble themselves in the classroom for discussions regarding difficulties in learning, attendance, facilities. etc.

Students will be encouraged towards use of internet sources and library for the study and completion of the assignments

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	<ul style="list-style-type: none"> • Boucher's prosthodontic treatment for edentulous patients, Boucher, Carl O. • McCracken's Removable Partial Prosthodontics, Alan B. Carr • Grossman's Endodontic practice, 13th edition • Carranza's Clinical Periodontology, 12 th edition • Fundamentals of Fixed Prosthodontics, Herbert T. Shillingberg.
Essential References Materials	<ul style="list-style-type: none"> • Journal Of Prosthetic Dentistry • Journal Of Conservative Dentistry • Journal Of Periodontology Dentistry
Electronic Materials	<ul style="list-style-type: none"> • www.google.com • You tube link provided in the lecture PPT • Textbook prepared by course director • Presentations

	<ul style="list-style-type: none"> •
Other Learning Materials	<ul style="list-style-type: none"> • SDL (Saudi Digital Library)..... • Turnitin – Plagiarism soft ware • D2L – Desire to learn in University site

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	<ul style="list-style-type: none"> ✓ Lecture room suitable for 30 students ✓ A spacious laboratory for practical, and provision to increase space for practical laboratory ✓ Need a clinical lab in clinic ✓ Need a functional ceramic lab
Technology Resources (AV, data show, Smart Board, software, etc.)	One computer in the classroom, Projector. Smart board. Data show Projector.
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Text books - hard copies in library for student's reference and lending. Equipped dental units Hand instruments for clinical sessions

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	✓ Course Evaluation Survey Quality of Exam Survey
	Faculty	✓ CLO Mapping with teaching & assessment. ✓ Course Blueprinting ✓ Grade Analysis 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	30/8/1440	