



Course Specifications

Institution:	MAJMAAH UNIVERSITY/ COLLEGE OF DENTISTRY, AL-ZULFI
Academic Department :	PROSTHODONTICS - SDS 423
Programme :	BACHELOR OF DENTAL SURGERY (BDS)
Course :	CLINICAL FIXED PROSTHODONTICS
Course Coordinator :	DR. ATUL BHARDWAJ
Programme Coordinator :	DR.ABDULRAHMAN AL ATRAM
Course Specification Approved Date :	17/ 03/1437 H



A. Course Identification and General Information

1 - Course title :	CLINICAL FIXED PROSTHODONTICS	Course Code:	423
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 :	IV YEAR I & II SEMESTER		
7 - Pre-requisites for this course (if any) :	SDS 323		
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?	30%
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?	55 %
Comments :	Lectures are uploaded online and practical are conducted in the lab.		

B Objectives

<p>What is the main purpose for this course?</p> <ol style="list-style-type: none"> 1. Providing the students with the optional knowledge and skills for a successful introduction to clinical fixed prosthodontics. 2. Developing the student's clinical and technical psychomotor skills to a defined level prior to actual patient care. 3. Reinforcing the mutual interdependence of high quality clinical and technical activities for the attainment of the precise and predictable clinical outcomes. 4. Developing the student's knowledge base, both didactically and clinically, with a view to refining the student's approach to patient care. 5. Awareness of the cost benefit equation in fixed partial denture therapy and the patient's right to make and informed choice.



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

The course serves as the transitional phase from the preclinical to the clinical environment. It provides a framework for the students to negotiate the difficult preclinical to clinical divide in a measured and controlled way, reinforcing concepts learned previously. The clinical phase seeks to equip the students with the fundamental skills for sound clinical fixed prosthodontics practice through the comprehensive management of a minimum of two selected fixed partial denture cases. The concurrent laboratory session in the first semester facilitates the students understanding of, familiarity with, laboratory procedures and the mutual interdependence between technical and clinical quality.

1. Topics to be Covered

S. no.	List of Topics	No. of Weeks	Contact Hours
1	Introduction to Clinical Fixed Prosthodontics	1	1
2	Examination, Diagnosis and treatment planning	1	1
3	Occlusion in fixed partial denture	1	1
4	Managing abnormal tooth position (Abutment Selection)	1	1
5 & 6	Esthetics and shade selection	2	2
7	Review of various tooth preparation (principles of tooth preparation)	1	1
8 & 9	Tissue management and Final impressions	2	2
10	All ceramic restorations	1	1
11	Veneers and laminates	1	1
12	Endodontically treated and extensively damaged abutment	1	1
13	Luting cements	1	1
14 & 15	Failures in fixed partial dentures	2	2

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

		Lecture	Tutorial	Practical	Clinical	Other:	Total
Contact Hours	1st semester	15	.....	45	45	.....	105
	2nd semester				45		45
Credit	1st semester	1	.....	1	1	.....	3
	2nd semester		.....	.....	1	.....	1

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
1.0	Knowledge:		
1.1	Diagnosis and treatment plan of partially edentulous patients in challenging/ compromised situations.	Lectures, demonstrations	Written examination, Quiz,clinical examination
1.2	Know the proper anatomy of TMJ and understand concept of occlusion	Lectures, demonstrations,	Written examination, Quiz,clinical examination
1.3	Know the ideal requirement of abutment and classify various types of abutment.	Lectures, demonstrations,	Written examination, Quiz,clinical examination
1.4	Know the importance of aesthetics in FPD's and shade selections for restorations.	Lectures, demonstrations,	Written examination, Quiz,clinical examination
1.5	Understand the importance of principles of tooth preparation for full partial veneer crown.	Lectures, demonstrations,	Written examination, Quiz,clinical examination
1.6	Classify the techniques of tissue management & final impression for Fixed partial denture	Lectures, demonstrations,	Written examination, Quiz,clinical examination
1.7	Enumerate principles of tooth preparation of all ceramic restorations & understand the various material for all ceramic restoration.	Lectures, demonstrations,	Written examination, Quiz,clinical examination
1.8	Enumerate various type of materials, advantage, disadvantage, indication & contraindication of various laminates & veneers	Lectures, demonstrations, Lectures,	Written examination, Quiz,clinical examination
1.9	Know the clinical procedure for prosthodontic restoration of endodontically treated teeth with direct/ indirect post and core.	demonstrations,	
2.0	Cognitive Skills		
2.1	Problem based learning student's approach to different FPD patient care	Laboratory and clinical demonstration & clinical exposure	Laboratory and clinical exam and assessment





	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
2.2	Evaluation of various short edentulous arch situations	Laboratory and clinical demonstration & clinical exposure	Laboratory and clinical exam and assessment
2.3	Treatment planning in different conditions of FPD	Clinical demonstration & clinical exposure	Clinical exam and assessment
2.4	Critically evaluate for various failures and prevention for FPD.		
3.0	Interpersonal Skills & Responsibility		
3.1	Summarize the importance of proper attitudes and their effect on interactions between the dental team and the patient.	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
3.2	Recite home care modification for various medical and physical conditions.		
3.3	Cooperate with all staff for treatment planning for comprehensive patient.		
3.4	Cooperate with colleagues and staff during discussion and debates.	Clinical, practical demonstration & Seminar presentation	Clinical, Practical exam and assessment
4.0	Communication, Information Technology, Numerical		
4.1	The students should use medical terminology in english, verbally	Seminar presentation	Seminar evaluation
4.2	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
5.0	Psychomotor		
5.1	Perform teeth preparation for different abutments conditions.	Clinical, Practical demonstration & exposure	Clinical or practical exam and assessment
5.2	Making of various impression by different techniques for FPD.	Clinical demonstration & clinical exposure	Clinical exam and assessment
5.3	Fabricate & cement appropriate provisional & permanent restoration for FPD	Clinical, Practical demonstration & clinical exposure	Clinical, Practical exam and assessment





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

	Assessment task	Week Due	Proportion of Total Assessment
1	First semester Midterm written examination	7 th	15%
2	Midterm practical examination	7 th	5%
3	Midterm clinical examination	7 th	5%
4	Practical assessments	During	5%
5	Practical oral assessments	During	5%
6	Clinical assessments	During	10%
7	Clinical oral assessment	During	5%
8	Behavior and attitude	During	5%
9	Research	During	2%
10	Presentation	During	1%
11	Quiz	During	2%
12	Final clinical exam	End of the session	10%
13	Final practical exam	End of the session	10%
14	Final written examination	End of the session	20%
15	Second semester Midterm clinical examination	7 th	20%
16	Clinical assessments	During	20%
17	Oral assessments	During	10%
18	Behavior and attitude	During	5%
19	Research	During	2%
20	Presentation	During	1%
21	Quiz	During	2%
22	Final clinical exam	End of the session	40%





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 :

- 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

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





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

Name : Atul Bhardwaj.

Signature : 

Date : 12./ 03/1437 H

Department Head

Name : Dr Karhiga Kannan.

Signature : 

Date : 17/ 03/1437 H

