



Course Specifications

Institution:	College of Dentistry , Al Zulfi
Academic Department :	Restorative Dental Sciences
Programme :	Bachelor of Dental Surgery BDS
Course :	Pre-clinical Operative Dentistry
Course Coordinator :	Dr Gaurav Garg
Programme Coordinator :	Dr Abdulrahman Alatram
Course Specification Approved Date :	21/ 12 / 1435 H



A. Course Identification and General Information

1 - Course title : Pre-clinical Operative Dentistry		Course Code: 213 RDS	
2. Credit hours : 6 H			
3 - Program(s) in which the course is offered:			
4 – Course Language: English			
5 - Name of faculty member responsible for the course: Gaurav Garg .Dr			
6 - Level/year at which this course is offered : Second year			
7 - Pre-requisites for this course (if any) : • 111 RDS, 122 RDS			
8 - Co-requisites for this course (if any) : •			
9 - Location if not on main campus : Al Zulfi			
10 - Mode of Instruction (mark all that apply)			
A - Traditional classroom	☒	What percentage?	 %
B - Blended (traditional and online)	☒	What percentage?	 %
D - e-learning	☐	What percentage?	 %
E - Correspondence	☐	What percentage?	 %
F - Other	☐	What percentage?	 %
Comments :			

B Objectives

What is the main purpose for this course? Understanding of the sequence of necessary clinical procedures to diagnose and develop treatment plans for operative dentistry cases.
Briefly describe any plans for developing and improving the course that are being implemented :





C. Course Description

1. Topics to be covered

Topics List	No. of Weeks	Contact Hours
Introduction to the course	1	1
Isolation and Control of the Operating Field	1	1
Class I Amalgam Cavity Preparation	1	1
Class V Amalgam Cavity Preparation	1	1
Restoration of class I and Class V with Amalgam	1	1
Finishing and Polishing of Amalgam Restorations	1	1
Class II Amalgam Cavity Preparation	1	1
Dental Matrices : Definition, Uses, Requirements, Types and their Application	1	1
Restoration of Class II, Finishing & Polishing Amalgam	1	1
Composite Resin Material Part I: History, Composition, Types, Advantages, Disadvantages, Indications and Contraindications	1	1
Principles of Tooth Preparation for Composite	1	1
Restoration Class III Composite Resin Cavity Preparation	1	1
Class IV, V Composite Resin Cavity Preparation	1	1
Composite Resin Material II : Etching, Bonding and Restorative Procedure	1	1
Pit and Fissure Sealant, Preventive Resin Restorations and Minimal Preparation for Posterior Composite	1	1
Direct Posterior Composite Restoration	1	1
Glass Ionomer Cement (Material)	1	1
Glass Ionomer Cement (Clinical Manipulation)	1	1
Resin Modified Glass Ionomer and Compomers	1	1
Pulp Protection by the Use of Insulating Bases and Liners	1	1
Introduction to the Complex Amalgam Restoration and Pin-retained Complex Amalgam Cavity Preparation	1	1
Pinless-retained Complex Amalgam Preparation and Restorative Technique of Complex Amalgam Restorations	1	1
Principles of Tooth Preparation for Cast Gold Restorations	1	1
Tooth Preparation for Cast Gold Inlay Restorations	1	1
Tooth Preparation for Cast Gold Onlay Restorations	1	1
Provisional Restorations	1	1
Indirect Posterior Esthetic Restorations (I, II)	1	1
Failure of Restoration	1	1
Biological Influence of Restorative Procedures and Materials	1	1



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

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	1	.....		6	.....	7
Credit	.....	.....	.....	.....	.....	.....

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

7

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			
1.2			
1.3			
1.4			
1.5			
1.6			
2.0	Cognitive Skills		
2.1			
2.2			
2.3			
2.4			
2.5			





	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
2.6			
3.0	Interpersonal Skills & Responsibility		
3.1			
3.2			
3.3			
3.4			
3.5			
3.6			
4.0	Communication, Information Technology, Numerical		
4.1			
4.2			
4.3			
4.4			
4.5			
4.6			
5.0	Psychomotor		
5.1			
5.2			
5.3			
5.4			
5.5			
5.6			

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

	Assessment task	Week Due	Proportion of Total Assessment
1			
2			
3			
4			
5			



6	.....	.....	.....
7	.....	.....	.....
8	.....	.....	.....





D. Student Academic Counseling and Support

E. Learning Resources

1. List Required Textbooks :

-
-
-

2. List Essential References Materials :

-
-
-

3. List Recommended Textbooks and Reference Material :

Book's Name	Author	Publisher	Year
1. Sturdevant's Art and Science of Operative Dentistry	Harald O. Heymann, Edward J. Swift Jr. and Andre V. Ritter	ELSEVIER	2012
2. Pickard's Manual of Operative Dentistry	<u>Avijit Banerjee</u> , <u>Timothy F. Watson</u>	OXFORD	2011
3. Fundamentals of Operative Dentistry: A Contemporary Approach	<u>James B. Summitt</u> , <u>J. William Robbins</u> , <u>Thomas J. Hilton</u> , <u>Richard S. Schwartz</u> , <u>Jose Dos Santos Jr.</u>	Quintessence Pub Co	2006

4. List Electronic Materials :

-
-
-

5. Other learning material :

-
-
-



F. Facilities Required

1. Accommodation • • •
2. Computing resources • • •
3. Other resources • • •

G Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching: • • •
2 Other Strategies for Evaluation of Teaching by the Program/Department Instructor : • • •
3 Processes for Improvement of Teaching : • • •





4. Processes for Verifying Standards of Student Achievement

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5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement :

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-
-

Course Specification Approved
Department Official Meeting No (.....) Date ... / / *H*

Course's Coordinator

Name :

Signature :

Date : / ... / *H*

Department Head

Name :

Signature :

Date : / ... / *H*

