



Course Specifications

Institution:College of DAcademic Department :Department ofProgramme :Bachelor ofCourse :Preclinical HCourse Coordinator :Dr. GhassanProgramme Coordinator :Dr AbdulrahCourse Specification Approved Date :

College of Dentistry Department of Restorative Dentistry Bachelor of Dental Surgery Preclinical Endodontics Dr. Ghassan Zyoud Dr Abdulrahman Alatram roved Date : 21/12/1435 H

This form compatible with NGAAA 2013 Edition

جامعة المجمعة				
A. Course Identification and General Information				
1 - Course title : Preclinical Endodontics Course Code: 323 RDS				
2. Credit hours : 4				
3 - Program(s) in which the course is offered: Dentistry				
4 – Course Language :English				
5 - Name of faculty member responsible for the course: Dr. Ghassan Zyoud				
6 - Level/year at which this course is offered : Third Year				
7 - Pre-requisites for this course (if any) :				
• 213 RDS				
8 - Co-requisites for this course (if any) :				
None				
9 - Location if not on main campus :				
(College of Dentistry- AZ Zulfi)				
A Traditional classroom				
B - Blended (traditional and online) What percentage? %				
D - e-learning What percentage?				
E = Correspondence What percentage? %				
E - Other X What percentage? 50 %				
Comments :				
Clinical Practice in Dental Lab				

B Objectives

What is the main purpose for this course?

The students to be familiar with the RCT steps and recognize basic instruments used in endo treatment and techniques in each step .

Briefly describe any plans for developing and improving the course that are being implemented :

- · Assessment form will be distributed to students by the end of each course
- A departmental meeting will discuss each course with the course coordinator

• The report from QA committee will be discussed in a departmental meeting to identify the strength and weaknesses related to any particular course

C. Course Description





C.1. Topics to be covered in 1st semester

List of Topics	No. of Weeks	Contact Hours
Introduction	1	4
Endodontic instrument	1	4
Internal anatomy of root sestem	1	4
Endodontics Access cavity preparation	1	4
Endodontic radiography working length determination	1	4
Cleaning and shaping of root canal system	2	8
Root canal filling material and obturation	2	8
Intracanal medicaments, Temporization	2	8
Diagnosis and treatment planning	2	8

C.2. Topics to be covered in 2nd semester

List of Topics	No. of Weeks	Contact Hours
Isolation	1	4
Case selection and treatment planning	1	4
Endodontics Mishaps	2	8
Histology and physiology of the pulp	2	8
Microbiology and immunology	1	4
Pulp reaction to caries and dental procedures	1	4
Pulp diseases	2	8
Periradicular Diseases	2	8

C.3. Course components (total contact hours and credits per semester):

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	1		3			4
Credit	1		3	1		4

C.4. Additional private study/learning hours expected for students per week.

4Hrs

C.5. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

جامعة المجمعة

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	Knowledge		
1.0	 By the end of this course, students are expected to: 1. recognize basic instruments and use them correctly 2. identify patent pulp chambers and canals by knowledge of pulp anatomy and use of radiograph 3. recognize canal system with extreme curvatures. Calcifications and other complicating features 4.correctly determine working length 5. appropriately prepare access cavity preparation 6. prepar uncomplicated root canals for all tooth categories using hand instruments and step back technique 7. adequately fill root canals of all teeth using cold lateral compaction technique 8. identify , prevent and manage procedural errors that occur during RCT 9.self-assess the quality of root canal performed 10. Apply the knowledge gained in the previous courses. 11. Diagnose and treat pulp diseases and periapical pathosis drainage of dental abscesses. 	 -Lectures -Tutorials pre-Clinical & practical sessions -Oral presentation - Take home assignments 	 -For didactic part, examinations, quizzes, and takes home assignments. - For preclinical part, every step will be evaluated using student evaluation form
2.0	Cognitive Skills		
2.1	Ability to think critically and analytically	1. Take home: Students will be given a problem that needs to be solved	 Written exams . problem solving questions group & individual assignments grades .
2.2	- Critical thinking (student illustrate critical thinking)	2. Comprehensive case will be presented to students and they will be	- Take home: projects need to be presented and will be evaluated accordingly.





	NQF Learning Domains	Course Teaching	Course Assessment
	And Course Learning Outcomes	Strategies	Methods
2.3	- Problem solving (student discuss problem solving)	asked to formulate a treatment plan.	- Clinical cases related question will be discussed in the format of group discussion.
2.4	- Judgment call (student report judgment call)	3. As well as lectures, clinics, case presentation & group research.	
3.0	Interpersonal Skills & Responsibility		
	At the end of the course the student should have developed the ability to :	1- Students will be trained on simulating situations (role playing)	-Peer evaluation of take home projects & treatment plan presentation and
3.1	- Respond to professional criticizing	2- Students will be assigned to a particular patient and will be held responsible	questionnaire , problem solving , & discussion need to be presented and/or discussed.
3.2	- Organize group work	(case studies)	•••••
3.3	- Present a case	3- Students are required to make an oral presentations of their cases	
3.4	- Manage a project	(presentations)	
3.5	- How to communicate with patients, instructors, and clinical staff.	4- Audio-visual way of training will be implemented to expose students to different patient-health care professional situations (small group discussion)	
3.6	- How to deliver information to patients in a professional way.	Teach students how to deal with different patients' personalities and	Give assignments to students



جامعة المجمعة

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
		attitudes.	Withous
4.0	Communication, Information Technology, Numeri	cal	
4.1	By the end of the course the student have developed the skill to :	- Hands on training on different software like Microsoft office and specialized	Peer and supervisor evaluation of take home projects & treatment plan
	 Design a professional presentations Plot correct diagram Review updated articles How to use clinical software How to search and use the internet to cope with the course demand 	clinical programs - project , assignments , review articles	presentation and discussion need to be presented and/or discussed
5.0	Psychomotor		
5.1	Students should learn how to control his emotions as well as handle such circumstances under different stressful situations.	Audio visual demonstration of different clinical situations (Videos)	- Oral presentation
		- Practical assignments where a specific time limit is given to the student	Practical examinations
5.2	- Student should be able to perform proper treatment under stressful circumstances	(clinic)	Check points (step-by-step) evaluation to ensure that student has
		- Assignments where student should perform a practical demonstration in front of	mastered each procedure before proceeding to next one under
5.3	- Student should be properly coordinate between manual dexterity and knowledge about proper teeth diagnosis and / or procedures.	his colleagues (clinical demonstration)	
		- Extensive preclinical training on	





NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
	different types of teeth and / or clinical procedures	

C.6. Schedule of Assessment Tasks for Students during the Semester:

	Assessment task	Week Due	Proportion of Total Assessment
1	5 points on behavior and attitude		5%
2	5 points Quizzes ,research ,presentation and home work		5%
3	35 points practical assessment		35%
4	15 points Midterm written exam		15%
5	10 points final practical exam		10%
6	30 Points . Final written exam		30%
Total	100		100%

D. Student Academic Counseling and Support

Each group of students is assigned to a particular faculty where he will provide academic councelling during specific academic hours (2 hours / week)

E. Learning Resources

1. List Required Textbooks :

• Endodontics principles and practice , Torabinejad M , Walton RE, 4th Edition 2009

2. List Essential References Materials :

• Path way of the pulp , Cohen , 9th edition

3. List Recommended Textbooks and Reference Material :....



جامعة المجمعة

- 4. List Electronic Materials :
 - Recommended selected articles will be posted in the course webpage.
 - www.pubmed.com
 - Google
 - www.sciencedirect.com
- **5.** Other learning material :
 - Library
 - Computers
 - Projects
 - Diagnostic instruments

F. Facilities Required

- 1. Accommodation
 - (Lecture rooms, dental clinics, laboratories, etc.): Available

2. Computing resources

- Library
- Computer Labs

3. Other resources

• Dental Clinics and dental lab

G Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching:

• By evaluation of students during semester, for quality of presentation & faculty resources and accommodations.

2 Other Strategies for Evaluation of Teaching by the Program/Department Instructor :

- Evaluation form in clinic
- Evaluation by continuous assessments
- Collection of ppt & exams at the end of semester
- **3** Processes for Improvement of Teaching :
 - Questionnaires for students to evaluate semester & course directors & contributors
 - Attending workshops and conferences



4. Processes for Verifying Standards of Student Achievement

- Comparing ppt with exam.
- Random rechecking of exams

• By comparing the results matching with another college using the same standers parameters by different examiner.

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

- Evaluation of feedback (results, follow-up & futures plans) according to:
- Ideal standers.
- Peer-review
- Questionnaires done by students
- Follow up international college syllabus.
- Development teaching plane according to international standers
- Planned review
- Committee for the exam & ppt.

Course Specification Approved

Department Official Meeting No (.....) Date / H

Course's Coordinator

Name : Dr. Ghassan Zyoud

Department Head

Name :	Dr. Musa Abu
	Fadalah
Signature :	•••••
Date :	/ / H

