



Jordan University of Science and Technology
Faculty of Dentistry
Dental Surgery Department

DENT547 Conservative Dentistry Iii - JNQF Level: 7

First Semester 2023-2024

Course Catalog

3 Credit Hours. This is an advanced course, covering the first semester and is continuous with Dent 548 in the 2nd semester. It is designed to provide the final year dental students with the advanced theoretical and clinical knowledge in various disciplines of conservative dentistry including operative dentistry, endodontics and fixed prosthodontics. Students must also fulfill agreed clinical requirements in all disciplines over the academic year and manage different clinical scenarios. The first semester will include weekly lectures, in which students will be given an updated information on relevant advanced topics in the discipline of Conservative Dentistry. The practical aspect, will include managing patients needing various forms of operative treatment, Endodontic and some aspects of fixed prosthodontics. Particular emphasis will be placed on carrying out RCT using rotary instrumentation.

Teaching Method: On Campus

Text Book

Title	Torabinejad M, Walton RE (2020). Endodontics Principles and Practice. 6th edition. W.B. Saunders Co.
Author(s)	Torabinejad M, Walton RE
Edition	6th Edition
Short Name	Endodontic reference
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Operative reference	Pickards Guide to Minimally Invasive Operative Dentistry	Ayko Nyush	10th Edition	

Instructor

Name	Dr. Ruba Mustafa
Office Location	-
Office Hours	
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Class Schedule & Room

Section 1:
 Lecture Time: Mon : 15:00 - 16:00
 Room: مدرج د. سعد حجازي

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction to the course	
Week 2	A revision/ update on endodontic diagnosis and RCT procedures.	From Endodontic reference
Week 3	Update on Root canal diagnosis, preparation and management using	From Endodontic reference
	Post-retained crown restorations I. Indications and Types	From Endodontic reference , From Operative reference
	Post-retained crown restorations II. Clinical Procedures with emphasis on fiber posts.	From Endodontic reference , From Operative reference
Week 7	Procedural accidents in Endodontics	From Endodontic reference
Week 8	Inlays, Onlays and veneers	From Operative reference
Week 9	Dentine Hypersensitivity: causes, diagnosis & management.	From Operative reference
Week 10	Endodontic failures & retreatment	From Endodontic reference
Week 11	Endo-Perio lesions	From Endodontic reference
Week 12	Endodontic Surgery	From Endodontic reference
Week 13	A revision/ update on caries etiology, diagnosis and management	From Operative reference
Week 14	Revision	

Week 15	Mid-term exam	
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Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Recall the various conditions related to the tooth with suggestions of differential diagnosis and appropriate treatment plan. [11.2 Scientific Knowledge and Cognitive Skills] [1L7K1]	20%	Midterm exam and quizzes, Clinical assessment during 1st & 2nd semesters and quizzes, Final Comprehensive Exam and OSCE, Viva
Recall different isolation procedures, cavity preparation required, and appropriate restorative option for restoration of damaged or badly broken down teeth. [11.3 Scientific Knowledge and Cognitive Skills] [1L7K1, 1L7S1]	10%	Midterm exam and quizzes, Clinical assessment during 1st & 2nd semesters and quizzes, Final Comprehensive Exam and OSCE, Viva
Identify the endodontic emergencies in dental practice and emerging trends in endodontic treatment to outline their clinical management at the graduate level. [11.3 Scientific Knowledge and Cognitive Skills] [1L7K1, 1L7S1]	10%	Midterm exam and quizzes, Clinical assessment during 1st & 2nd semesters and quizzes, Final Comprehensive Exam and OSCE, Viva
Perform standard nonsurgical endodontic treatment on multirrooted teeth and different restorative options for endodontic-treated teeth. [12.2 Person Centered Care] [1L7S2, 2L7S3]	16%	Clinical assessment during 1st & 2nd semesters and quizzes, Final practical exam
Practice management of deep carious lesions utilizing the vital pulp therapy option and endodontics emergency cases [12.2 Person Centered Care] [1L7S2, 2L7S3]	11%	Clinical assessment during 1st & 2nd semesters and quizzes, Final practical exam
Practice professional behavior such as integrity, adhering to rules and instructions, dress code, infection control and developing work habits and time utilization and accurate documentation of clinical notes for provided treatments. [13.3 Responsibility, Communication, Professionalism and Ethics] [1L7C2]	7%	Clinical assessment during 1st & 2nd semesters and quizzes, Final Comprehensive Exam and OSCE
Recognize the limitations within the scope of practice of a general dental practitioner and engaging with effective inter-professional collaborative practice and appropriate referral pathways. [13.4 Responsibility, Communication, Professionalism and Ethics] [1L7C2]	4%	Clinical assessment during 1st & 2nd semesters and quizzes, Final Comprehensive Exam and OSCE
Apply research and epidemiology-based evidence to support the provided restorative treatment. [14.2 Critical Thinking, Problem Solving and Evidence-Based Practice] [1L7S3, 1L7C1]	5%	Final Comprehensive Exam and OSCE, Viva, Final practical exam
Apply critical thinking and clinical judgment to long-term effective dental restorative management. [14.3 Critical Thinking, Problem Solving and Evidence-Based Practice] [2L7S1, 1L7C2, 1L7C3]	8%	Final Comprehensive Exam and OSCE, Viva, Final practical exam
Provide high-quality patient care based on up-to-date clinical guidelines and cope with evolving advances in dental materials and equipment. [16.2 Sustained Dental Practice and Lifelong Learning] [2L7S1, 1L7C4]	9%	Final Comprehensive Exam and OSCE, Viva, Final practical exam

Relationship to Program Student Outcomes (Out of 100%)														
1.1 Scientific Knowledge and Cognitive Skills	1.2 Scientific Knowledge and Cognitive Skills	1.3 Scientific Knowledge and Cognitive Skills	1.4 Scientific Knowledge and Cognitive Skills	1.5 Scientific Knowledge and Cognitive Skills	1.6 Scientific Knowledge and Cognitive Skills	1.7 Scientific Knowledge and Cognitive Skills	2.1 Person Centered Care	2.2 Person Centered Care	2.3 Person Centered Care	2.4 Person Centered Care	3.1 Responsibility, Communication, Professionalism and Ethics	3.2 Responsibility, Communication, Professionalism and Ethics	3.3 Responsibility, Communication, Professionalism and Ethics	
	20	20						27						7

Relationship to NQF Outcomes (Out of 100%)							
L7K1	L7S1	L7S2	L7S3	L7C1	L7C2	L7C3	L7C4
30	20	9	20.5	2.5	13	2	3

Evaluation	
Assessment Tool	Weight
Midterm exam and quizzes	20%
Clinical assessment during 1st & 2nd semesters and quizzes	27%
Final Comprehensive Exam and OSCE	28%
Viva	10%
Final practical exam	15%

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