



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

DENT445 Conservative Dentistry I

First Semester 2023-2024

Course Catalog

4 Credit Hours. This is a course with theoretical and practical components. It extends over 2 semesters where students will receive the theory part in the form of a weekly lecture over the 2 semesters. Students will perform clinical work in the conservative dentistry clinics over the 2 semesters. The course aims to introduce the fourth year students to general dental practitioners' work environment. It is designed to reiterate the principles of code of professional conduct, cross infection control, patient-centered clinical work and enhance student's clinical skills in conservative dentistry. The theory part will be dedicated to consolidate basic principles in; diagnosis, treatment planning, disease processes and control, restorative and non-restorative treatment modalities, clinical decision making, endodontics, applied dental material science and restoration of root-treated teeth. All procedures should be done totally under rubber dam isolation.

Text Book

Title	Pickard's Guide to Minimally Invasive Operative Dentistry
Author(s)	Avjit Banerjee and Timothy F. Watson
Edition	10th Edition
Short Name	Reference # 1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Reference # 2	Cohen's Pathways of the Pulp	Kenneth Hargreaves & Louis Berman,	11th Edition	
Reference # 3	Fundamentals of Operative Dentistry	James B. Summitt, J. William Robbins, Richard S. Schwartz,	3rd Edition	
Reference # 4	The Art & Science of Operative Dentistry	Theodore M. Roberson, Harald O. Heymann, Edward J. Swift JR.	7th Edition	

Instructor

Name	Dr. LAYLA HASSOUNEH
Office Location	-
Office Hours	
Email	lhassouneh@just.edu.jo

Class Schedule & Room

Section 1:
 Lecture Time: Tue : 10:30 - 11:30
 Room: مدرج الفاروق

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Course introduction	
Week 2	Examination and Diagnosis	From Reference # 3, From Reference # 4
Week 3	Treatment planning and clinical decision making	From Reference # 3, From Reference # 4
Week 4	Update on caries identification, caries removal and caries risk assessment	From Reference # 1, From Reference # 3
Week 5	Revision on principles of cavity preparation, Complex amalgam restorations and management of grossly carious teeth	From Reference # 1, From Reference # 3
Week 6	Clinical application of restorative materials and Occlusal considerations in simple restorative dentistry	From Reference # 1, From Reference # 3, From Reference # 4
Week 7	Systematic pulpal diagnosis	From Reference # 2
Week 8	Pulp protection and Vital pulp therapy	From Reference # 3, From Reference # 4
Week 9	Revision on root canal treatment	From Reference # 2

Week 10	Endodontic emergencies	From Reference # 2
Week 11	Current concepts of minimal invasive operative dentistry	From Reference # 1
Week 12	Revision	

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
understand the science underpinning diagnosis and principles of management within the discipline [12. Cognitive]	10%	
understand how the main restorative disciplines integrate with each other and, in turn, with all the other clinical dental specialties [12. Cognitive, 12. Cognitive]	20%	
provide a high quality of patient care based upon a philosophy of prevention of disease [12. Cognitive, 12. Cognitive]	20%	
inculcate an attitude of attention to detail and a very high standard of technical and manipulative skill [12. Cognitive, 12. Cognitive]	20%	
develop communication and patient management skills and to understand the processes by which patients may make informed choices about their treatment. [12. Cognitive, 12. Cognitive, 12. Cognitive, 12. Cognitive]	10%	
Practice basic clinical restorative techniques on patients such as; the repair of damaged teeth by simple restorations and maintenance of the healthy pulp and treatment of the diseased dental pulp and periradicular periodontium by root canal treatment. [12. Cognitive, 12. Cognitive]	20%	

Relationship to Program													
1. Knowledge	1. Knowledge	1. Knowledge	1. Knowledge	1. Knowledge	2. Cognitive:	2. Cognitive	2. Cognitive	2. Cognitive	2. Cognitive	2. Cognitive	2. Cognitive	3. Psychomotor/manual	3. Psychomotor/man
					2.5	2.5			52.5	42.5			

Evaluation	
Assessment Tool	Weight
Course clinical work	25%
Multiple short-answer online exam	25%
Multiple short-answer exam and Objective Structured Clinical Examination (OSCE) (Online)	30%
2 practical exams	20%

Policy	
Exams	All exams are closed book and notes. The final exam is comprehensive (covers all the material). Incomplete exams need approval from the dean.
Cheating	Prohibited; and in case of cheating the student will be subject to punishment according to the university regulations
Attendance	Sharp start for clinic at 1:00 pm and late students will get penalized.
Participation	Highly encouraged. Lectures and clinical work will be delivered in a very interactive method to substantiate student?s role in thinking and innovating.
Phantom head Lab	Students who are perceived to be incompetent in performing a particular clinical skill will be referred to phantom head lab for further training.

Date Printed: 2023-10-30