



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Allied Dental Sciences Department

ADS323 Restorative Dentistry Lab

First Semester 2021-2022

Course Catalog

1 Credit Hours. The course is designed to bring the students to the basic knowledge in operative dentistry, crown and bridgework, and endodontics. The course emphasizes on the fundamentals of these disciplines of dentistry and the role of the dental assistant in improving the treatment outcome and assisting the dentist in the various clinical procedures.

Text Book

Title	Fundamentals of Operative Dentistry: A Contemporary Approach
Author(s)	James B. Summitt (Author, Editor), J. William Robbins (Editor), Thomas J. Hilton (Editor), Richard S. Schwartz (Editor), Jose Dos Santos Jr. (Editor)
Edition	3rd Edition
Short Name	Ref. 1
Other Information	Quintessence Pub Co

Course References

Short name	Book name	Author(s)	Edition	Other Information
Required Ref	A Guide to Clinical Dental Assisting-Part One	Obeidat, S. R., Shqair L., Ashour S., Al-Mhasneh O., Al-Temeh B., Al-Omouh M.	1st Edition	Clinic Manual

Instructor

Name	Miss Suhair Obeidat
Office Location	AMS 2nd floor
Office Hours	Sun : 11:00 - 13:00 Mon : 08:30 - 09:30 Mon : 12:30 - 13:30 Tue : 08:30 - 09:30 Wed : 12:30 - 13:30
Email	saobeidat@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Tue : 09:30 - 12:30 Room: U
Section 2: Lecture Time: Tue : 14:00 - 17:00 Room: U
Section 3: Lecture Time: Thu : 09:30 - 12:30 Room: LAB

Teaching Assistant
Technician Abdelmalik Tabanjeh(Section 1), Technician Abeer Qutaish(Section 2)

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction into the cons practical part content	
Week 2	Orientation into the dental clinic, Four-handed dentistry : Activity zones , DA's stool characteristics , DA positioning , Seating and dismissing dental patient, Instrument Transfer, Maintaining the operating field: Evacuation system Air-water syringe Tissue retraction	Chapter I: Introduction P. 20-23, 23-30 From Required Ref
Week 3	Hand and rotary instruments used in operative dentistry Tray system used in cons clinic	Chapter II: dental hand & rotary instruments P. 32-42 From Required Ref
Week 4	- Class II Amalgam step-by-step procedure - Preparing cavity varnish - Using dental amalgamator/ triturator - Tofflemire and matrix band preparation & placement: identification and Demo. (INTRODUCTION)	Chapter IV: Restorative materials & procedures Introduction, part 1 & 4 P. 56-60, 70-75 From Required Ref
Week 5	Tofflemire and matrix band preparation & placement: Student practice on Models	Chapter IV: Restorative materials & procedures Part 2 p. 62-68 From Required Ref
Week 6	Clinical management of caries with composite and GI fillings (Class III and V cavities) Mixing dental cements Tofflemire and matrix band preparation & placement: Student practice on Partners (TBA On Thursdays PM in DH Clinics)	Chapter IV: Restorative materials & procedures Part 2 p. 62-68 Chapter III: Dental Cements Parts 1 & 2 p. 43-55 Demo and practice (Mixing & handling) From Required Ref
Week 7	Mid-term Exam 25%: (Tofflemire identification and assembly, Four-handed Dentistry and Instrument Identification, Amalgam, Composite and GI restorative materials)	

Week 8	Endodontics: pulpal & PA diseases, diagnosis tests, RCT instruments and materials	Chapter V: Endodontics Part 1, 2 Identification and discussion From Required Ref
Week 9	Quiz/ Practical Exam: Dental cements 10% The dental dam: (Demo and Student practice on Models) ? Materials and equipment ? Placing and removing dental dam Student Practice on partners (TBA on Thursdays PM in DH Clinics)	Chapter V: Endodontics (Root canal Treatment) Part 4 P. 107-116 From Required Ref
Week 10	RCT clinical procedure: ? Open/ instrumentation phase ? Obturation phase	Chapter V: Endodontics (Root canal Treatment) Part 3 P. 101-106 From Required Ref
Week 11	Quiz/ Practical Exam: RCT and Rubber Dam 20% Crown and Bridge procedure I: Impression materials used in Crown/ bridge procedure - Crown & bridge primary impression with condensational silicone - Crown & bridge final impression with additional silicone	Chapter VI: Fixed Prosthodontics (Crowns & Bridges) Part3 P. 131-133 From Required Ref
Week 12	Crown and Bridge procedure II: - gingival retraction cord placement for crown and bridge final impression - Temporary (provisional) restorations	Chapter VI: Fixed Prosthodontics (Crowns & Bridges) Part 2 & 4 P. 128-130, 135-139 Demo and practice From Required Ref
Week 13	Post crown step-by-step procedure	Chapter VII: Post and Core Crown Part 1 & 2 P. 140-154 From Required Ref
Week 14	Revision and make-up lab	
Week 15	Final Practical Exams Week	
Week 16	Final Theoretical Exams Week	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Demonstrate and practice all principles of four-handed dentistry	10%	
Identify and describe the uses of all hand and rotary instruments used in conservative dentistry	20%	
Discuss the sequence of most clinical operations performed in conservative dentistry and the role of the dental assistant in each step of the procedure	20%	
Identify the instruments, equipments, and materials used in RCT procedure, sequential steps of RCT and the role of the dental assistant in each step	20%	
Discuss the clinical sequential steps for fabricating fixed dental prostheses and correct mixing and handling of all dental impression materials and dental cements used in fixed prosthodontics.	30%	

Evaluation

Assessment Tool	Weight
Continuous assessment: Quizzes & practical exams	30%
Midterm Exam	25%
Lab preparation and participation	5%
Final Exam	40%

Policy	
Assignments	Students are required to do all the homework and pre-clinical lab assignments given by the instructor
Exams and Quizzes	Students are required to sit for the 2 semester examinations (Mid and final) and quizzes
Cheating	Cheating the commitment of the Acts of Cheating and deceit such as copying during examinations is dishonest and will not be tolerated; JUST policy will be applied.
Attendance	Student attendance and responsibility: For necessary accused absence e.g. family emergency, extreme illness, etc., please contact instructor immediately. Tardiness more than 10 minutes will be counted as an absence. In case of illness, student must submit a formal written excuse from the physician. Otherwise, the absence will be considered unexcused. JUST POLICY will be applied regarding absence.
Laboratory	Preclinical lab work Students are required to be prepared with their lab coats, nametags, and protective eyeglasses in each preclinical session. Long hair must be tied. Jewelries, long nails, high-heel and open shoes/ sandals, athletic shoes and jeans are not permitted. Please turn off all cell phones and pagers during preclinical sessions. Please Read the Faculty Dress Code and Code of Ethics policies on the E-learning Website
Feedback	Concerns or complaints should be expressed in the first instance to the course instructor. If no resolution is forthcoming then the issue should be brought to the attention of the Department Chair and if still unresolved to the Dean. Questions about the material covered in the lecture, notes on the content of the course, its teaching and assessment methods can be also sent by e-mail to the following address saobeidat@just.edu.jo

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