



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

ADS321 Restorative Dentistry

First Semester 2023-2024

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	

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	

Instructor

Name	Miss Suhair Obeidat
Office Location	AMS 2nd floor
Office Hours	Sun : 13:30 - 15:30 Mon : 12:00 - 13:00 Wed : 12:30 - 13:30 Thu : 12:00 - 14:00
Email	saobeidat@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Tue : 09:30 - 10:30 Room: N4206

Prerequisites		
Line Number	Course Name	Prerequisite Type
522221	ADS222 Dental Materials	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction and orientation into the course	
Week 2	Four-handed dentistry: Introduction into the 4-handed dentistry, Roles of the DA , 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, P. 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	Clinical management of caries with amalgam filling: - cavity preparation - amalgam restorative material: advantages, disadvantages, and forms - Mercury handling guidelines - class II amalgam procedure	Chapter IV: Restorative materials & procedures Introduction, part 1 & 4 P. 56-60, 70-75 From Required Ref
Week 5	Tofflemire, and matrix band, and wedges use	Chapter IV: Restorative materials & procedures Part 2 p. 62-68 From Required Ref
Week 6	Clinical management of caries with composite and GI fillings - Composite resins restorative material - Celluloid strip and wedge - Class III composite procedure - Placing etchant - Placing bonding agent - Class V GI procedure	Chapter IV: restorative materials & procedures Parts 4, 5, 6, 7, & 8 From Required Ref
Week 7	Mid-term Exam	
Week 8	Endodontics I: - pulpal and periapical diseases - endodontic diagnosis - endodontic instruments and materials	Chapter V: Endodontics (Root canal Treatment) Parts 1, & 2 P. 91-99 From Required Ref
Week 9	The dental dam: ? Materials and equipment ? Placing and removing dental dam	Chapter V: Endodontics (Root canal Treatment) Part 4 P. 107-116 From Required Ref

Week 10	Endodontics II: - RCT clinical procedure: ? Open/ instrumentation phase ? Obturation phase	Chapter V: Endodontics (Root canal Treatment) Part 3 P. 101-106 From Required Ref
Week 11	Fixed prosthodontics I (Crown & bridge): - Introduction into fixed prosthodontics - Types & classification	Chapter VI: Fixed Prosthodontics (Crowns & Bridges) Part 1 P. 117-119 From Required Ref
Week 12	Fixed prosthodontics II (Crown & bridge): - Indications - Clinical procedure - Gingival retraction for crown & bridge procedure - Temporary (provisional) restorations	Chapter VI: Fixed Prosthodontics (Crowns & Bridges) Part 1 P. 120-127 Chapter VI: Fixed Prosthodontics (Crowns & Bridges) Part 2 & 4 P. 128-130, 135-139 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	
Week 15	Final Practical Exams Week	
Week 16	Final Theoretical Exams Week	

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Identify four-handed dentistry and the roles of the dental assistant	20%	
Identify and describe the uses of all handed and rotary instruments used in conservative dentistry	20%	
Identify endodontics including endodontic diseases, equipments, materials, procedures and the responsibilities of the the dental assistant in endodontics	20%	
Discuss the sequence of most clinical operations performed in conservative dentistry and the different types of dental restorative materials	20%	
Explain fixed prosthodontics and the various types of fixed prostheses, procedural steps and the materials used to fabricated fixed prostheses	20%	

Evaluation	
Assessment Tool	Weight
Midterm Exam	50%
Final Exam	50%

Policy	
Exams	Students are required to sit for the 2 semester examinations (Mid-term and final)

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: Tardiness more than 10 minutes will be counted as an absence. For excused absences, i.e. illness or emergency, student must contact the course coordinator immediately. 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.
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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