



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

DENT320 Introduction To Clinical Dentistry - JNQF Level: 7

Summer Semester 2023-2024

Course Catalog

1 Credit Hours. The aim of the course is to familiarize students with to the concepts and main elements of dental practice. It will also be an introduction to the dental profession as a whole and will provide a foundation for clinical practice. The course provides knowledge and experience in fundamental processes and aspects of dental practice.

Teaching Method: Blended

Text Book

Title	Oxford Handbook of Clinical Dentistry (Oxford Handbooks Series)
Author(s)	Laura Mitchell (Editor), David A. Mitchel
Edition	5th Edition
Short Name	Ref 1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref # 2	Diagnosis and Treatment Planning in Dentistry	Stefanac and Nesbit	3rd Edition	2017

Instructor

Name	Prof. Ashraf Shaweesh
Office Location	271
Office Hours	
Email	ashrafis@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Sun : 08:30 - 11:30
Room: U

Section 2:
Lecture Time: Sun : 12:30 - 15:30
Room: U

Section 3:
Lecture Time: Mon : 08:30 - 11:30
Room: U

Section 4:
Lecture Time: Mon : 12:30 - 15:30
Room: U

Section 5:
Lecture Time: Tue : 08:30 - 11:30
Room: U

Section 6:
Lecture Time: Tue : 12:30 - 15:30
Room: U

Section 7:
Lecture Time: Wed : 08:30 - 11:30
Room: U

Section 8:
Lecture Time: Wed : 12:30 - 15:30
Room: U

Tentative List of Topics Covered

Weeks	Topic	References
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Week 1	Seminar: Introduction to clinic: ergonomics, introduction to electronic records and patient management systems (no clinics in Week 1)	From Ref 1
Week 2	Seminar: Rubber dam isolation and management of medical emergencies in dental practice. Clinic: Infection control, ergonomics and dental record systems	From Ref 1
Week 3	Seminar: Application of local anaesthesia in dentistry. Clinic: Rubber dam isolation	From Ref 1
Week 4	Seminar: Application and use of dental materials. Clinic: Application of local anaesthesia.	From Ref 1
Week 5	Seminar: Comprehensive clinical examination, variation of clinical findings in health and disease, investigations, reaching diagnoses, interpretation of clinical findings, formulation of treatment plans. (No clinics in Week 5)	Chapters 1, 2, 3, 4 From Ref # 2
Week 6	Seminar: Person-centered oral care, anxiety reduction and sustained dental practice, critical thinking, informed consent, professionalism and ethical responsibilities. Clinical: Use of dental impression materials in clinics and dental casting	From Ref 1, Chapters 6 and 14 From Ref # 2

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Demonstrate an in-depth understanding of comprehensive clinical examination procedures, including extraoral and intraoral assessments and proficiency in clinical examination techniques, understanding the anatomical and pathological features relevant to routine dental assessments. [51.7 Scientific Knowledge and Cognitive Skills] [1L7K1]	10%	
Apply scientific principles in the proper application of local anesthetics, considering pharmacology, anatomy, and pain management. [51.5 Scientific Knowledge and Cognitive Skills] [1L7K1]	10%	
Apply knowledge of anatomical considerations, nerve pathways, and injection techniques to administer local anesthesia accurately. [51.1 Scientific Knowledge and Cognitive Skills] [1L7K1]	10%	
Understand the purpose of rubber dam isolation in restorative and endodontic procedures, including infection control and moisture control, demonstrating knowledge of rubber dam materials, sizes, and application techniques for different clinical scenarios. [51.3 Scientific Knowledge and Cognitive Skills] [1L7K1, 1L7S2]	10%	
Acquire a comprehensive understanding of alginate materials, including composition, setting reactions, and handling characteristics. [51.4 Scientific Knowledge and Cognitive Skills] [1L7K1]	10%	
Communicate with patients about the benefits of rubber dam isolation, emphasizing its role in ensuring a clean and controlled environment during dental procedures. [52.2 Person Centered Care] [1L7S2, 1L7S3]	10%	
Communicate effectively with patients before and during alginate impression procedures, explaining the purpose, steps, and expected sensations. [52.2 Person Centered Care] [1L7S2, 1L7S3]	10%	
Adhere to ethical guidelines and professional standards in the clinical setting, respecting patient autonomy, confidentiality, and informed consent, and communicating professionally and ethically with peers, instructors, and patients, fostering a respectful and collaborative environment. [103.1 Responsibility, Communication, Professionalism and Ethics] [1L7C4]	10%	
Apply critical thinking skills to interpret clinical findings, formulate differential diagnoses, and develop evidence-based treatment plans, and demonstrating problem-solving abilities when faced with challenges in clinical procedures, seeking guidance and solutions as needed. [104.3 Critical Thinking, Problem Solving and Evidence-Based Practice] [1L7S1, 1L7C3]	10%	
Cultivate a commitment to lifelong learning in clinical dentistry, continuously updating skills in examination techniques, anesthetic application, and record-keeping, and developing time management and organizational skills necessary for sustained dental practice, ensuring efficient and effective clinical workflows. [106.1 Sustained Dental Practice and Lifelong Learning] [1L7S1]	10%	

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
10		10	10	10		10		20			10		

Relationship to NQF Outcomes (Out of 100%)						
L7K1	L7S1	L7S2	L7S3	L7C3	L7C4	
45	15	15	10	5	10	

Evaluation	
Assessment Tool	Weight
MIDTERM (Computerized OSPE)	20%
Continuous assessment	20%
FINAL (Computerized OSPE)	60%