



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

DENT771L Laboratory Training In Periodontics
First Semester 2023-2024

Course Catalog
1 Credit Hours. This is a one-credit hour, postgraduate pre-clinical, problem-based learning course designed to prepare new postgraduate students in periodontics for clinical activities. It includes seminar discussions and laboratory training for the common therapeutic techniques used in advanced periodontal therapy. This course will help students to build a sound foundation for periodontal instrumentation and basic surgical procedures.

Text Book	
Title	Clinical Periodontology and Implant Dentistry
Author(s)	Lindhe, Lang & Karring
Edition	7th Edition
Short Name	Ref #1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref #2	Carranza's Clinical Periodontology	Newman, Takie, Klokkeveold & Carranza	13th Edition	

Instructor	
Name	Dr. Lana Bader
Office Location	-
Office Hours	
Email	lmbader4@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: U : - Room: HOSPITAL

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction to the course and distribution of tasks. History taking, examination and diagnosis.	From Ref #1, From Ref #2
Week 2	Basic non-surgical instrumentation: Identification & selection of instruments . Basic non-surgical instrumentation: Correct use and effective instrumentation for scaling and root debridement	From Ref #1, From Ref #2
Week 3	Practicing debridement and instruments sharpening.	From Ref #1, From Ref #2
Week 4	Oral hygiene methods (mechanical)	From Ref #1, From Ref #2
Week 5	Chemical plaque control.	From Ref #1, From Ref #2
Week 6	Medically compromised patients.	From Ref #1, From Ref #2

Week 7	Wound healing.	From Ref #1, From Ref #2
Week 8	Basic surgical instrumentation: Identification and selection. Incisions and flaps.	From Ref #1, From Ref #2
Week 9	Midterm exam	From Ref #1, From Ref #2
Week 10	Sutures and suturing techniques: Simple loop, figure-of-eight, horizontal mattress, vertical mattress, sling suture, continuous suture.	From Ref #1, From Ref #2
Week 11	Practicing incisions and sutures.	From Ref #1, From Ref #2
Week 12	Periodontal regeneration	From Ref #1, From Ref #2
Week 13	Root resection, tunnelling and premolarization	From Ref #1, From Ref #2
Week 14	Soft tissue grafts (free gingival graft, coronally advanced flap, tunnel).	From Ref #1, From Ref #2
Week 15	CPR - PLS	From Ref #1, From Ref #2
Week 16	Reading CBCT and planning for dental implants. Identification of basic components of dental implant kit	From Ref #1, From Ref #2
	Final exam	From Ref #1, From Ref #2

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
To provide students with required clinical knowledge and skills necessary to properly conduct a thorough history taking and appropriate clinical examination, diagnosis, and treatment planning of different periodontal diseases	10%	
Introduce students to all surgical and non-surgical instruments and the proper use of each instrument in an ergonomic setup of the dental setting. This includes basic instruments used in implant dental procedures	10%	
Provide students with the fundamental periodontal incisions, flaps and sutures	10%	
Train students on search for information and practical presentation skills	10%	
Recall how to give customized oral hygiene instructions for the patient.	10%	
Recall how to manage and treat medically compromised patients (prophylactic antibiotics, anticoagulants, diabetes mellitus, myocardial infarction, HIV, cancer?etc.).	10%	
Recall stages of wound healing.	10%	
Read and interpret CBCT	10%	
Describe and perform Primary Life Support (PLS) satisfactorily	10%	
Identify and describe the use of different items in implant kit	10%	

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	2. Cognitive	3. Psychomotor/manual	3. Psychomotor/mani

Evaluation

Assessment Tool	Weight
Mid-term Exam	40%
Seminars ad presentations	10%
Final Exam	50%

Policy	
Exams	All exams are closed book and notes are clinically oriented. Incomplete exams are applicable when an acceptable and valid excuse is presented at the applicable time
Cheating	Prohibited; and in case of cheating the student will be subject to punishment according to JUST regulations
Attendance	is mandatory for all sessions students will get a zero grade for assessment in that session in case of unexcused absence.
Participation	students are highly encouraged to participate in the classes
Withdraw	University regulations apply
Notes	You are required to prepare the lab prior to the practical session according to the provided requirements. You are required to prepare and present certain topics according to the course schedule

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