



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

DENT743A Clinical Training In Endodontics(7) - JNQF Level: 9

First Semester 2024-2025

Course Catalog

3 Credit Hours. This is a clinical course dedicated to provide advanced training in endodontics for senior postgraduate students. It includes management of advanced cases both non-surgical and surgical management. Students are expected to need minor supervision and, independent decision making. Students are expected to finish a minimum number of 70 cases, with wide coverage of endodontic problems management, high technical quality treatment, the use of contemporary techniques and materials, application of evidenced based knowledge in the clinical management approach. At the beginning of the semester students should submit a self-assessment form that include a summary of the total cases they treated in the previous 2 years of the program. This summary details number of teeth treated, type of teeth, procedures performed, materials used, complications managed, based on this summary and the quality and challenges faced they have to submit summary of the week points they think should be addressed and improved in this final year. The course coordinator will review this summary and self-assessment and provide feedback on areas for improvement. Throughout the course students has to submit and present 2 cases reports selected from the cases that they managed. The course objective is to o continue development of skills relating to the complex multiple factors, which influence patient case analysis and which modify endodontic treatment requirements. Therefore at the end of the first semester of this Year 3 endodontics, students should have: 1. Demonstrated advanced knowledge in all aspects of Endodontics 2. Completed non-surgical, surgical and adjunctive therapy in advanced/complicated endodontic disease. 3. Possess advanced skills in pre-treatment workup of orthograde and retrograde endodontic cases and post-treatment management of refractory disease 4. Assessed craniofacial pain patients for specific management or referral. 5. Demonstrated and have experience in specialist skills in all aspects of Endodontics from diagnosis to specific management and outcomes. 6. Demonstrated specialist standards in all procedural work. 7. Provided specialist advice on management of medically compromised patients

Teaching Method: On Campus

Text Book

Title	Essential Endodontology
Author(s)	Dag Orstavik
Edition	2nd Edition
Short Name	Orstavik
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Journals	Journal of Endodontics, International Endodontic Journal, Dental Traumatology	Elsevier, wily	1st Edition	

Instructor

Name	Prof. Nessrin Taha
Office Location	234
Office Hours	
Email	n.taha@just.edu.jo

Class Schedule & Room

Section 1:
 Lecture Time: U :-
 Room: HOSPITAL

Tentative List of Topics Covered

Weeks	Topic	References
Weeks 1, 2, 3, 4	Non surgical retreatment	From Orstavik, From Journals
Weeks 5, 6, 7, 10, 12, 14	Surgical retreatment	From Orstavik, From Journals
Weeks 1, 2, 3, 4	Vital pulp therapy	From Journals
Weeks 10, 11, 12	Management of fractured instruments	From Orstavik, From Journals
Weeks 5, 6, 9, 10	Regenerative endodontics	From Journals
Weeks 13, 14, 15, 16	Pediatric endodontics	From Orstavik, From Journals

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
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Demonstrates skills to carry out history taking, thorough clinical examination and advanced imaging with proper documentation [1PLO_9S1][1L9S1]	35%	Intra semester assessment, Final assessment
Demonstrates competence to perform advanced clinical procedures including initial treatment and retreatment at a specialist level [1PLO_9C1][1L9C1]	50%	Intra semester assessment, Final assessment
4_Dent743_C4.1_3 Contribute to supervising undergraduate students in preclinical training courses ([1PLO_9C4.1][1L9C4])	5%	Intra semester assessment, Final assessment
4_Dent743_C6.2_4 Apply good practice in documenting and managing cases at multidisciplinary level [1PLO_9C6.2][1L9C6]	5%	Intra semester assessment, Final assessment
Comply with codes of professional specialist level practice to comply with Codes of Conducts. [1PLO_9C6.3][1L9C6]	5%	Intra semester assessment

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, Communicator Professionalism and Ethics

Relationship to NQF Outcomes (Out of 100%)			
L9S1	L9C1	L9C4	L9C6
35	50	5	10

Evaluation	
Assessment Tool	Weight
Intra semester assessment	30%
Final assessment	70%

Policy	
Student responsibilities and code of conduct in the clinics	A graduate in Endodontics is expected to be competent in the following, as relevant to the specialty: a) recognising the personal limitations and scope of the specialty and knowing when to refer or seek advice appropriately b) practising with personal and professional integrity, honesty and trustworthiness c) providing patient-centred care, including selecting and prioritising treatment options that are compassionate and respectful of patients' best interests, dignity and choices d) understanding and applying the moral, cultural, ethical principles and legal responsibilities involved in the provision of specialist dental care to individual patients, to communities and populations e) displaying appropriate professional behaviour and communication towards all members of the dental team and referring health practitioner/s f) understanding and applying legislation relevant i) demonstrating leadership within the profession.
Communication skills	A graduate in endodontics is expected to be competent in the following, as relevant to the specialty: a) identifying and understanding a patient's expectations, desires and attitudes when planning and delivering specialist treatment b) communicating effectively, with patients, their families, relatives and carers in a manner that takes into account factors such as their age, intellectual development, social and cultural background c) communicating effectively in all forms of health and legal reporting, and d) interpreting and communicating knowledge, skills and ideas.
Patient Management, Log book and Supervision	Patients are accepted by referral from the various university, private or government clinics. Each candidate will be allotted patients under the direct responsibility of the clinical supervisor, who is responsible for approving the treatment plan and the progress of treatment. Each candidate is required to complete a logbook, which provides for signing off the treatment plan, stages and dates of clinical review. Log Book All candidates will maintain a comprehensive electronic log book recording all significant activities during the course. This is a statement of your professional development and is a requirement of the University, and for the entry to Jordanian Board in endodontics from the Jordan Medical Council
Infection control	Infection Control Protocol The postgraduate clinics follow well-defined infection control protocols, which must be followed. Defined clean and contaminated (dirty) areas exist within each operatory. Pay particular attention to the protocols for hand hygiene and for the use of personal protective equipment.