



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

DENT351 Oral Radiology II - JNQF Level: 6
First Semester 2023-2024

Course Catalog
2 Credit Hours. The aim of this course is to teach the students about extra oral and advanced imaging, film mounting, normal anatomy and different pathologies encountered on radiographs during routine dental practice. To learn basics of film viewing and interpretation and to solve problems encountered during radiographic interpretation ???..

Text Book	
Title	Dental Radiography: Principles and Techniques
Author(s)	Joen Iannucci DDS MS , Laura Jansen Howerton RDH MS
Edition	5th Edition
Short Name	DR
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
OR	Oral Radiology: Principles and Interpretation	White, S.C. and Pharoah, M.J.	7th Edition	

Instructor	
Name	Dr. Ghaida Al Jamal
Office Location	23615
Office Hours	
Email	ghaidaa@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Sun : 19:00 - 20:00 Room: متزامن الحضور منصة الكترونية

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Digital Imaging and 3D Digital Imaging	Chapter 25 and 26 From DR
Week 2	Intraoral Normal Anatomy and Film Mounting	Chapter 27 and 28 From DR
Week 3	Panoramic Normal anatomy and Imaging of Patients with Special Needs	Chapter 29 and 24 From DR
Week 4	Principles of Radiographic Interpretation and Dental caries	Chapter 17 and 18 From OR
Week 5	Periodontal Diseases and Inflammatory Disease	Chapter 19 and 20 From OR
Week 6	Cysts	Chapter 21 From OR
Week 7	Benign Tumors	Chapter 22 From OR
Week 8	Other Bone Diseases	Chapter 23 From OR
Week 9	Malignant Diseases	Chapter 24 From OR
Week 10	Paranasal Sinus Diseases	Chapter 26 From OR
Week 11	Temporomandibular Joint Abnormalities	Chapter 27 From OR
Week 12	Soft Tissue Calcifications and Ossifications	Chapter 28 From OR
Week 13	Salivary Gland Diseases	Chapter 29 From OR
Week 14	Trauma	Chapter 30 From OR

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
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List and identify the different extraoral radiographic techniques used in dentistry [101.3 Scientific Knowledge and Cognitive Skills] [1L6K1, 1L6S2]	9%	
Describe the generic appearances of various tissues and anatomical structures as seen on radiographs used by the practicing dentist [101.2 Scientific Knowledge and Cognitive Skills] [1L6K1]	9%	
Describe the radiological appearances of dental caries and periodontal diseases [11.7 Scientific Knowledge and Cognitive Skills] [1L6K1]	10%	
Describe the radiologic appearances of the more common dental developmental anomalies. [11.2 Scientific Knowledge and Cognitive Skills] [1L6K1]	9%	
List the radiographic features of benign tumors in the jaws. [11.7 Scientific Knowledge and Cognitive Skills] [1L6K1]	9%	
List the major diagnostic images on which the TMJ, or some of its components, may be seen, and what the major advantages or disadvantages of each are. in addition to describing the appearances of the major diseases of the TMJ [11.7 Scientific Knowledge and Cognitive Skills] [1L6K1]	9%	
List the major diagnostic images on which the paranasal sinus, and mainly the maxillary sinus, may be seen, and what the major advantages or disadvantages of each are. List and describe the appearances of the major diseases of the paranasal sinuses, especially the maxillary sinuses. [11.7 Scientific Knowledge and Cognitive Skills] [1L6K1]	9%	
List and describe the appearances of the craniofacial anomalies [11.2 Scientific Knowledge and Cognitive Skills] [1L6K1]	9%	
List and describe the appearances of the common soft tissue calcifications and ossifications [11.2 Scientific Knowledge and Cognitive Skills] [1L6K1]	9%	
List the radiographic features of malignant lesions. [11.7 Scientific Knowledge and Cognitive Skills] [1L6K1]	9%	
List and describe the appearances of the different traumatic lesions affecting teeth and surrounding structure including jaws	9%	

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
	36	9				46							

Relationship to NQF Outcomes (Out of 100%)

L6K1	L6S2
86.5	4.5

Evaluation

Assessment Tool	Weight
Mid term	50%
Final	50%

Policy

Exams	All exams are closed book and notes. The final exam is comprehensive (covers all the material). Incomplete exams need approval from the dean.
Cheating	Prohibited; and in case of cheating the student will be subject to punishment according to the university law.
Attendance	According to the university policy, 15% of absences are allowed if necessary.
Participation	All students are encouraged to participate.
Laboratory	Some practical classes will be demonstrated in the second semester.
Withdraw	Must be arranged with one of dean assistants.

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