



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

ADS344 Radiology (2) - JNQF Level: 6

Second Semester 2023-2024

Course Catalog

1 Credit Hours. Continued development of the principles and techniques obtained in Oral Radiology I with emphasis on supplemental intraoral techniques especially for client management; extraoral techniques; digital imaging techniques; radiographic interpretation of film-based and digitally acquired images; and the incorporation of dental photography into patient assessment.

Teaching Method: Blended

Text Book

Title	Essentials of Dental Radiography for Dental Assistants and Hygienists.
Author(s)	EM.Thomson. Pearson/Prentice Hall
Edition	10th Edition
Short Name	Ref #1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref#2	Radiographic Interpretation for the Dental Hygienist	JI Haring, LJ Lind, WB Saunders Co. 1993	10th Edition	
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Instructor

Name	Miss TAMADUR FALAH
Office Location	-
Office Hours	

Email	tmfalah@just.edu.jo
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Class Schedule & Room

Section 1: Lecture Time: Tue : 11:30 - 12:30 Room: M3305
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Prerequisites

Line Number	Course Name	Prerequisite Type
523430	ADS343 Radiology1 Lab	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Exposure Factors	From Ref #1
Week 2	Managing Patients with Special Needs	From Ref #1
Week 3	. Radiographic Interpretation A. Dental Materials B. Trauma and Periapical Lesions C. Tooth Development and Abnormalities Modalities	From Ref #1
Week 4	Periodontal Disease	From Ref #1
Week 5	Digital Radiographic Imaging	From Ref #1
Week 6	Panoramic Radiography , Panoramic Errors	From Ref #1
Week 7	Panoramic Anatomy , Panoramic Artifacts	From Ref #1
Week 8	. Occlusal Radiography	From Ref #1
Week 9	Panoramic Artifacts	From Ref #1
Week 10	Quality Assurance	From Ref #1

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method

Determine when needed and apply appropriate supplemental radiographic techniques. (ie: occlusal and disto-oblique projections, localization methods, bisecting technique). [10PLO 4] [10L6K2]	10%	
Appropriately alter basic intraoral radiographic techniques for special-needs clients. (ie: children, completely or partially edentulous, exaggerated gag reflex, low palatal vault or the presence of palatal or mandibular tori). [10PLO 4] [10L6S2]	10%	
Address client concerns and accurately answer all questions pertaining to radiographic need and procedures. [10PLO 4] [10L6S2]	10%	
To demonstrate proficiency in panoramic radiography. (Including: client positioning, exposing, processing, and critiquing for diagnostic acceptability.) [10PLO 4] [10L6S1]	10%	
To Interpret both intraoral and extraoral dental radiographs for identification of dental materials, caries, periodontal disease and pulpal and periapical lesions [10PLO 4] [10L6C1]	10%	
To Apply all learned film-based radiographic techniques to digital imaging. [10PLO 4] [10L6S1]	10%	
To Incorporate intraoral photography into client assessment. [20PLO 4] [20L6S3]	20%	
Understand quality assurance guidelines [20PLO 4]	20%	

Relationship to Program Student Outcomes (Out of 100%)									
PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10
			100						

Relationship to NQF Outcomes (Out of 100%)				
L6K2	L6S1	L6S2	L6S3	L6C1
10	20	20	20	10

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