



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

ADS343 Radiology1 Lab

First Semester 2021-2022

Course Catalog

1 Credit Hours. Emphasis on practicing different intra oral radiographic techniques and projections, identifying radiographic errors. Demonstration laboratory application and reading assignments class will be divided into 4 groups and distributed according to the proper sessions in the first meeting

Text Book

Title	Exercises in Oral Radiographic Techniques: A Laboratory Manual
Author(s)	EM Thomson
Edition	3rd Edition
Short Name	primary
Other Information	Pearson/Prentice Hall, 2010

Instructor

Name	Miss Arwa Mahasneh
Office Location	-
Office Hours	
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Class Schedule & Room

Section 1:

Lecture Time: Wed : 09:30 - 12:30

Room: LAB

Section 2:

Lecture Time: Thu : 13:30 - 16:30

Room: LAB

Teaching Assistant

Technician Abdelmalik Tabanjeh(Section 1), Technician Abeer Qutaish(Section 2)

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Orientation to the dark room, Film components X-ray Machine Film holders	
Week 2	Placement of Intraoral films/ Bitewings premolar and molar - group 1	
Week 3	Placement of Intraoral films/ Bitewings premolar and molar group 2	
Week 4	Placement of Intraoral Radiographs on manikin/ periapical Paralling technique anterior teeth, upper and lower group 1	
Week 5	Placement of Intraoral Radiographs on manikin/ periapical Paralling technique anterior teeth, upper and lower group 2	
Week 6	Placement of Intraoral Radiographs on manikin/ periapical Paralling technique posterior teeth premolars and molars upper group 1	
Week 7	Placement of Intraoral Radiographs on manikin/ periapical Paralling technique posterior teeth premolars and molars upper group 2	
Week 8	Placement of Intraoral Radiographs on manikin/ periapical Paralling technique posterior teeth premolars and molars upper group 1	
Week 9	Placement of Intraoral Radiographs on manikin/ periapical Paralling technique posterior teeth premolars and molars upper group 2	
Week 10	Mid term exam	
Week 11	Placement of Intraoral Radiographs on manikin/ periapical Paralling technique posterior teeth premolars and molars lower teeth Errors identification and landmarks interpretation group 1	
Week 12	Placement of Intraoral Radiographs on manikin/ periapical Paralling technique posterior teeth premolars and molars lower teeth Errors identification and landmarks interpretation group 2	

Week 13	Placement of Intraoral Radiographs on patients group 1	
Week 14	Placement of Intraoral Radiographs on patients group 2	
Week 15	catch up and revision	
Week 16	Finals	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Distinguish between situations that call for the bisecting or paralleling technique.	10%	
Demonstrate knowledge of infection control protocol during placement and exposure of intra oral radiograph	10%	
View radiographs under conditions appropriate for radiographic interpretation	10%	
Expose, process, mount, and critique for acceptability a full mouth series taken with the bisecting technique	20%	
Identify incorrect angulation errors of the intra oral techniques and apply appropriate corrective actions	10%	
Interpret an intraoral dental radiograph based on knowledge of the radiographic appearance of the tooth, tooth development, and supporting anatomical structures	10%	
1. Incorporate intraoral photography into client assessment.	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).	10%	
Assess, plan, implement, and evaluate quality assurance mechanisms for obtaining diagnostic radiographic imaging	10%	

Evaluation	
Assessment Tool	Weight
Midterm Exam	25%
Lab Quizzes and Exercises	25%
final exam	50%

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