



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Radiologic Technology Department

RA350 Mammography

Second Semester 2022-2023

Course Catalog

1 Credit Hours. The course covers the essential principles of mammography positioning, encompassing breast anatomy, physiology, and pathological changes. It explores the correlation between these factors and mammographic appearance, emphasizing the importance of proper positioning in accurately interpreting normal anatomy, as well as benign and malignant mammographic findings.

Text Book

Title	Mammographic imaging: a practical guide
Author(s)	Valerie F. Andolina, Shelly Lill?
Edition	4th Edition
Short Name	1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
2	Physics of Mammographic Imaging	William R. Hendee, Series Editor Edited by Mia K. Markey	1st Edition	

Instructor

Name	Dr. MOHAMMAD AYASRAH
Office Location	-
Office Hours	
Email	maayasrah@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Wed : 14:30 - 15:30

Room: M4202

Teaching Assistant

Rasha Elshayib(Section 1)

Prerequisites

Line Number	Course Name	Prerequisite Type
143132	RA313 Principles Of Diagnostic Imaging 2 Lab	Prerequisite / Study
143450	RA345 Patient Care In Radiology Department Lab	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction : Historical development of mammography	From 1, From 2
Week 2	Breast anatomy	From 1, From 2
Week 3	Breast physiology	From 1, From 2
Week 4	Breast pathology	From 1, From 2
Week 5	Breast cancer risk factor	From 1, From 2
Week 6	Patient care and preparation in the mammography department	From 1, From 2
Week 7	Mammographic equipment: film based.	From 1, From 2
Week 8	Mammographic equipment :digital	From 1, From 2
Week 9	the standard Mammographic views: The craniocaudal view	From 1, From 2
Week 10	the standard Mammographic views: The mediolateral-oblique view	From 1, From 2
Week 11	The standard Mammographic views	From 1, From 2
Weeks 12, 13, 14, 15	Additional (supplemental) views	From 1, From 2

Week 16	Revision	From 1, From 2
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Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Demonstrate deep understanding of the underpinning physics of image production in mammography	15%	
Identify basic anatomy, physiology, and pathology of the breast	21%	
Perform different mammographic procedures	64%	

Evaluation	
Assessment Tool	Weight
Midterm	40%
Final	60%

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