



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

RA354 Fluoroscopic Imaging Lab

Second Semester 2023-2024

Course Catalog

1 Credit Hours. This course aims to supplement the theoretical fluoroscopy course. It introduces the students to the concepts of fluoroscopy imaging, fluoroscopy machine, and its different parts, by practically seeing these components and how they function. Students will have a hands on practice of preparing different contrast media types. They will learn how to prepare them, in addition to reviewing their possible side effects, risks, contraindications, and complications. Students will cover the basic principles and methods of radiation protection in the fluoroscopy room. They will see how different fluoroscopy procedures are performed, with the focus on patients preparation, patient position to visualize different anatomical parts, normal anatomical variations and different pathologies. They will observe fluoroscopy procedures on the upper GI, lower GI, urinary tract, and hepatobiliary system.

Teaching Method: On Campus

Text Book

Title	Fundamentals of Fluoroscopy
Author(s)	Jeffrey D. Houston and Michael Davis
Edition	2nd Edition
Short Name	1
Other Information	

Instructor

Name	Dr. Badera Almohammad
Office Location	-
Office Hours	
Email	bmalmohammad@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Thu : 08:30 - 10:30
Room: LAB

Section 2:
Lecture Time: Thu : 10:30 - 12:30
Room: LAB

Section 3:
Lecture Time: Thu : 12:30 - 14:30
Room: LAB

Section 4:
Lecture Time: Thu : 14:30 - 16:30
Room: LAB

Teaching Assistant

Rasha Elshayib(Sections 1, 2, 3, 4)

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction to Floroscopy	From 1
Week 2	Introduction to Floroscopy	From 1
Week 3	Equipment and devices 1	From 1
Week 4	Equipment and devices 2	From 1
Week 5	CM types, uses, contraindications and adverse effects	From 1
Week 6	CM types, uses, contraindications and adverse effects	From 1
Week 7	Imaging the upper GI procedures	From 1
Week 8	Imaging the upper GI procedures	From 1
Week 9	Imaging the lower GI procedures	From 1
Week 10	Imaging the lower GI procedures	From 1
Week 11	Hepatobiliary imaging	From 1
Week 12	Hepatobiliary imaging	From 1
Week 13	Urinary tract imaging and IU	From 1
Week 14	Urinary tract imaging and IU	From 1
Week 15	Radiation protection in floroscopy	From 1
Week 16	Image manipulation and image quality	From 1

Relationship to Program Student Outcomes (Out of 100%)

PLO B1	PLO B2	PLO B3	PLO B4	PLO B5	PLO B6	PLO B7	PLO M1	PLO M2	PLO M3	PLO M4	PLO M5	PLO M6

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