



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

RA352 Fluoroscopic Imaging

Second Semester 2023-2024

Course Catalog

2 Credit Hours. This course aims at introducing the students to the concepts of fluoroscopy imaging, fluoroscopy machine, and how the images and fluoroscopy videos are created. They will also learn about contrast media types and their possible side effects, risks, contraindications, and complications. Students will learn how to perform different fluoroscopy procedures, from patient preparation, position, indications and contraindications for each procedure, complications, and outcomes. They will get familiar with performing fluoroscopy procedures on the upper GI, lower GI, urinary tract, and hepatobiliary system. In addition, they will get exposed to the normal appearance of each anatomical part and common pathological conditions.

Teaching Method: Blended

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: Mon : 08:30 - 09:30

Room: N1303

Teaching Assistant

Rasha Elshayib(Section 1)

Prerequisites

Line Number	Course Name	Prerequisite Type
143450	RA345 Patient Care In Radiology Department Lab	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction to Floroscopy and physics 1	From 1
Week 2	Introduction to Floroscopy and physics 2	From 1
Week 3	Floroscopy device parts and imaging 1	From 1
Week 4	Floroscopy device parts and imaging 2	From 1
Week 5	CM types, uses, contraindications and adverse effects 1	From 1
Week 6	CM types, uses, contraindications and adverse effects 2	From 1
Week 7	Imaging the upper GI procedures 1	From 1
Week 8	Imaging the upper GI procedures 2	From 1
Week 9	Imaging the lower GI procedures 1	From 1
Week 10	Imaging the lower GI procedures 2	From 1
Week 11	Hepatobiliary imaging	From 1
Week 12	Hepatobiliary imaging 2	From 1
Week 13	Urinary tract imaging and IVU 1	From 1
Week 14	Urinary tract imaging and IVU 2	From 1
Week 15	Urinary tract imaging and IVU 3	From 1
Week 16	Revision	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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