The Hashemite University
Faculty of Allied Health Sciences
Department of Medical Imaging
Course Syllabus

Course information	
Course Title	Radiological Imaging Procedures (3)
Course Code	110508423
Prerequisites	110508322
Credit Hours	3 (2 Theory + 3 Lab hours)
Course Description	
Radiographic procedures of the excretory system, reproductive system, alimentary canal and urinary system. This include patient preparation for radiography and use of contrast media and drugs. In addition, the course aims at introducing the student into both invasive and non-invasive angiographic procedures. The course covers different topics including the preparation of the patient for different angiographic procedures, imaging and non-imaging equipments used for different angiographic procedures, different approaches for vascular access, complications and post procedural care. Furthermore, the course shed the light on some clinical applications of the angiography.	
Course Objectives By the end of this course, the student is expected to:	
Describe, discuss and participate as a member of the imaging team in performance of: a. Upper gastrointestinal radiography b. Lower gastrointestinal radiography c. Radiography of the urinary system d. Biliary tract radiography e. Radiography of the female reproductive f. Sialography g. Myelography h. Arthrography	
Identify normal anatomy on diagrams and/or images	
Describe, explain and/or demonstrate specialized equipment for each type of examination	
Describe the types of contrast media used of administration	
Be able to understand the anatomy of the circulatory system	
Be able to recognize the different purposes of angiographic procedures	
Be able to describe the process of accessing the vascular system via different approaches	
Be aware of any possible complications of any angiographic procedure	
Be able to understand the different image enhancement techniques and their use	
Be able to link between the clinical situation and suitable angiographic procedure.	
Recommended Textbook	
Title	Merrills Atlas of Radiographic Positioning & Radiologic Procedures: vol I, II, III
Author	Philip W. Ballinger
Publisher	
Year	

Edition	
Book website	
Title	Interventional Radiology: A Survival Guide
Author	David Kessel, Iain Robertson
Publisher	Churchill Livingstone
Year	2010
Edition	Third
Book website	Interventional Radiology: A Survival Guide
Title	Endovascular Skills: Guidewire and Catheter Skills for Endovascular Surgery
Author	Peter Schneider
Publisher	INFRMA-HC
Year	2008
Edition	Third
Book website	Endovascular Skills: Guidewire and Catheter Skills for Endovascular Surgery
Title	Radiographic Anatomy & Positioning.
Author	Bontrager KL; Anthony BT.
Publisher	
Year	
Edition	
Book website	
Other References	
Title	Clark's Positioning in Radiography
Author	
Publisher	
Year	
Edition	

Assessment	
First Exam	25%
Second Exam	25%
In course assessment	10%
Final Exam	40%