



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

<b>Course information</b>	
<b>Course Title</b>	Radiological Imaging Procedures (3)
<b>Course Code</b>	110508423
<b>Prerequisites</b>	110508322
<b>Credit Hours</b>	3 ( 2 Theory + 3 Lab hours)
<b>Course Description</b>	
<p>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.</p>	
<b>Course Objectives</b>	
By the end of this course, the student is expected to:	
<p>Describe, discuss and participate as a member of the imaging team in performance of:</p> <ol style="list-style-type: none"> <li>a. Upper gastrointestinal radiography</li> <li>b. Lower gastrointestinal radiography</li> <li>c. Radiography of the urinary system</li> <li>d. Biliary tract radiography</li> <li>e. Radiography of the female reproductive</li> <li>f. Sialography</li> <li>g. Myelography</li> <li>h. Arthrography</li> </ol>	
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.	
<b>Recommended Textbook</b>	
<b>Title</b>	Merrills Atlas of Radiographic Positioning & Radiologic Procedures: vol I, II, III
<b>Author</b>	Philip W. Ballinger
<b>Publisher</b>	
<b>Year</b>	

<b>Edition</b>	
<b>Book website</b>	
<b>Title</b>	Interventional Radiology: A Survival Guide
<b>Author</b>	David Kessel, Iain Robertson
<b>Publisher</b>	Churchill Livingstone
<b>Year</b>	2010
<b>Edition</b>	Third
<b>Book website</b>	Interventional Radiology: A Survival Guide
<b>Title</b>	Endovascular Skills: Guidewire and Catheter Skills for Endovascular Surgery
<b>Author</b>	Peter Schneider
<b>Publisher</b>	INFRMA-HC
<b>Year</b>	2008
<b>Edition</b>	Third
<b>Book website</b>	Endovascular Skills: Guidewire and Catheter Skills for Endovascular Surgery
<b>Title</b>	Radiographic Anatomy & Positioning.
<b>Author</b>	Bontrager KL; Anthony BT.
<b>Publisher</b>	
<b>Year</b>	
<b>Edition</b>	
<b>Book website</b>	
<b>Other References</b>	
<b>Title</b>	Clark's Positioning in Radiography
<b>Author</b>	
<b>Publisher</b>	
<b>Year</b>	
<b>Edition</b>	
<b>Assessment</b>	
<b>First Exam</b>	25%
<b>Second Exam</b>	25%
<b>In course assessment</b>	10%
<b>Final Exam</b>	40%