



Course Syllabus of Clinical Practice 3

Faculty: Faculty of Medicine and Health Sciences

Department: Health Sciences

Program: Radiologic Technology & Medical Imaging

I. General information about the course instructor :

Name	Dr. Amin Mohsen Amer	Office Hours(3 Hours Weekly)					
Location & phone number	UST- 775948767	Sat	Sun	Mon	Tue	Wed	Thu
Email	aminalflahi@gmail.com	1		1		1	

II. General information about the course:

1.	Course Title :	Clinical Practice 3			
2.	Course Code and Number :	BMI416			
3.	Credit Hours :	Credit Hours			Total
		Theoretical	Seminar/Tutorial/Practical	Training	
		-	-	4	4
4.	Study Level and Semester:	4 th level / 1 st semester			
5.	Pre-requisites :	BMI323			
6.	Co-requisites :	None			
7.	Program in which the course is offered:	Bachelor in Radiologic Technology and Medical Imaging			
8.	Teaching Language:	English			
9.	Instruction location:	University of Science and Technology, Sana'a, Yemen			

III. Course Description

This course provides the student opportunity to apply concepts and principles of radiographic positioning and technique learned in second year in the clinical setting. The student will be required to prove competency in special radiographic examinations of genitourinary system, digestive system and cardiovascular system in addition to CR, DR and advance techniques of breast , dental radiography, and bone densitometry. The teaching will include practice sessions with collaborative learning, dialogue and discussion . The students will be evaluated through report, and practical exam. Clinical practice 2 course is a Pre-requisite for this course

عميد الكلية:
د. عبدالله المخلافي

رئيس القسم:
د. عبد الحبيب القياطي

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المراجع:
د. مجاهد نصار

الموافق:
أمين الفلاحي

APPROVED

IV. Course Aims: This course is aimed to:

1. Providing student the clinical skills related to special radiographic examinations of urinary system, digestive system and cardiovascular system in addition to advance technique such as breast radiography, CR, DR and bone densitometry
2. Enhance the student capabilities in using technical elements including radiographic accessories.
3. Learn the student the ability of dealing with radiology information records and registration.
4. Providing student the fundamental skills of radiographic image evaluation according to image critique form in related textbooks and references.
5. Enhance the abilities of student in commitment of discipline rules as member of medical imaging team.

V. Course Intended Learning Outcomes (CILOs) :

1. Identify the fundamentals of conventional and advance medical imaging procedures after using applied clinical approach.
2. Analyze the imaging protocols and procedures and recognize the errors and limitations if occur during the imaging process .
3. Estimate the image quality regarding to the QA issues and standards with determining if the image acceptable (diagnosable) or not.
4. Manipulate the conventional radiographic machines safely according to the manual operation (manufacturer's instructions) .
5. Apply the radiation protection issues and devices to protect the patients, themselves and others.
6. Perform the QA tests and procedures to ensure optimal operation of exposure factors and techniques.
7. Perform the appropriate preparation and positioning of the abdomen, vertebral column, skull, thorax and ribs radiography.
8. Communicate effectively with patients and their relatives during radiographic imaging processes as well as other health team members.
9. Prepare appropriate environment for patients, relatives and staff using the suitable procedures.



VI. Course Contents

Clinical Aspects

No.	Clinical topics	Week due	Contact Hours
1	Introduction to clinical practice setting (principles and terminology)	1 st ,2 nd	24
2	Special Radiographic procedures of genitourinary system	3 rd ,4 th ,5 th	36
3	Special Radiographic procedures of digestive syetem	6 th ,7 th ,8 th	36
4	Special Radiographic procedures of cardiovascular syetem	9 th	12
5	advance Radiographic procedures of CR, DR advance Radiographic techniques of breast	10 th	24
6	advance Radiographic techniques of dental and bone densitometry	11 th ,12 th	24
7	Reviewing the radiographic image criteria in special and advance techniques	13 th	12
8	Final exam	14 th	12
Total number of weeks and hours		15	180

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الموصف:
أمين الفلاحى