

## Course Syllabus of Clinical Practice 2

Faculty: Medicine and Health Sciences

Department: Health Sciences

Program: Bachelor in Radiologic Technology and 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 2			
2. Course Code and Number :	BMI323			
3. Credit Hours :	Credit Hours			Total
	Theoretical	Seminar/Tutorial/Practical	Training	
	-	-	3	3
4. Study Level and Semester:	3 <sup>rd</sup> level / 2nd semester			
5. Pre-requisites :	BMI315			
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 radiographic examinations of the abdomen, vertebral column, skull, thorax and pelvis. The teaching methods will include practice sessions with collaborative learning, dialogue and discussion . The students will be evaluated through report, and practical exam. clinical practice I course is a pre-reqest for this course.

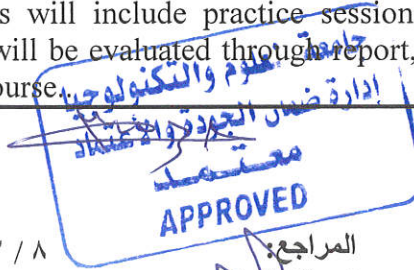
عميد الكلية:  
د. عبدالله المخلافي

رئيس القسم:  
د. عبدالحبيب القباطي

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المراجع:  
د. مجاهد نصار

الموظف:  
د. أميلو الفلاحي



#### IV. Course Aims: This course is aimed to:

1. Providing student the clinical skills related to radiographic positioning and technique of chest, upper and lower limbs.
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 <sup>st</sup> ,2 <sup>nd</sup>	18
2	Radiographic positioning of the abdomen and related anatomy	3 <sup>rd</sup> ,4 <sup>th</sup> ,5 <sup>th</sup>	27
3	Radiographic positioning of cervical vertebra and related anatomy	6 <sup>th</sup>	9
4	Radiographic positioning of thoracic vertebra and lumbar vertebra with related anatomy	7 <sup>th</sup> ,8 <sup>th</sup>	18
5	Radiographic positioning the cranial bones (skull) of and related anatomy	9 <sup>th</sup>	9
6	Radiographic positioning the facial bones (skull) and related anatomy	10 <sup>th</sup> ,11 <sup>th</sup>	18
7	Reviewing the radiographic criteria of the abdomen, vertebral column, skull x-rays	12 <sup>th</sup>	9
8	Final exam	13 <sup>th</sup>	9
Total number of weeks and hours		13	117