

## Course Syllabus of Care of patient in radiology department

Faculty: Faculty of Medicine and Health Sciences

Department: Health Sciences

Program: Bachelor in Radiologic Technology and Medical Imaging

### I. General information about the course instructor:

Name	Saddam Alzofi	Office Hours (3 Hours Weekly)					
Location & phone number	UST- 775031101	Sat	Sun	Mon	Tue	Wed	Thu
Email	S.alzofi@gmail.com	1		1		1	

### II. General information about the course:

1	Course Title:	Care of patient in radiology department			
2	Course Code and Number	BMI225			
3	Credit Hours:	Lecture	Seminar/Tutorial/Practical	Training	Total
		1	-	-	1
4	Study Level and Semester:	2 <sup>nd</sup> year/ 2 <sup>nd</sup> semester			
5	Pre-requisites:	None			
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 focuses on the interaction of radiographic technologist with patient. An explanation of special techniques during dealing with patient during radiological procedures to improve patient comfort and prevent further injuries to the patient. As well procedures for special needs patients. This course also provides the student with basic knowledge of CPR, adverse reactions of contrast media used in the radiography department and some basic medications given in such cases. The teaching will include, lectures with seminars, collaborative learning, dialogue and discussion. The students will be evaluated through report and written exam.

عميد الكلية:  
د. عبدالله المخلافي

رئيس القسم: ١٢ / ٨  
د. عبد الحبيب القباطي

المراجع:  
د. مجاهد نصار  
د. امين الفلاحي

الموصف:  
د. صدام الزوفي

#### IV. Course Aims:

1. Learn student how to improve patient comfort and prevent further injuries to the patients.
2. Enhance students' knowledge about different patient's condition and how to deal correctly with each condition.
3. How applying specific procedures for special needs patients.
4. Follow the correct steps in patient transferring and movement.
5. Offer the skills to take the correct action in in case of emergency situation.
6. Attract the student's attentions to take precautions in case of infectious patients.

#### V. Course Intended Learning Outcomes (CILOs):

1. Identify the appropriate procedures according to the patient psychological, emotional and social state.
2. Assess of patient status accurately by monitoring vital signs and other symptoms appear.
3. Know the suitable procedures in case of emergency
4. Use of contrast media and other drugs in save manner according to the patient condition
5. Correctly evaluate the problems and events occur in department of radiology to expect the suitable procedures in each events and problems.
6. Analyze the image quality and detect any abnormality to expect patient's condition.
7. Apply the suitable technique's and procedures according to patient's status and pathological condition.
8. Effectively interacted with radiology and medical staff in other departments for better understanding of patient condition.



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VI. Course topics and sub-topics with contact hours and alignment to CILOs				
Topics/Units of Course Contents				
First: Theoretical Aspects				
No.	Course Topics/Units	Sub-topics	Week due	Contact Hours
1	<b>Introduction</b>	Course orientation	1 <sup>st</sup>	1
2	<b>Hospital organization</b>	Different medical departments Hospital organization Patient care technique	2 <sup>nd</sup>	1
3	<b>Ethical and legal health care</b>	Ethical and legal health care issue Ethical and legal health care issue Radiographer duties Special needs patients	3 <sup>rd</sup>	1
4	<b>Patients transferring and movement</b>	Dealing with special needs patients Patient transportation Wheelchair transport of patient Bed to x ray table patient transportation.	4,5 <sup>th</sup>	2
5	<b>Mid-term exam</b>		6 <sup>th</sup>	1
6	<b>Contrast media</b>	Types of CM Emergency situations Safe administration of patient medication and contrast media	7 <sup>th</sup>	1
7	<b>Contrast media</b>	Identify pharmaceuticals given in cases of emergency and their applications	8 <sup>th</sup>	1
8	<b>Vital signs</b>	Normal vital signs Measuring vital signs Abnormal vital signs	9 <sup>th</sup>	1
9	<b>Oxygen administration</b>	Methods of contrast administration	10 <sup>th</sup>	1
10	<b>Basic CPR</b>	Basic CPR	11 <sup>th</sup>	1
11	<b>Infection control</b>	Infection control procedures and isolation technique's Aseptic techniques in radiology	12,13 <sup>th</sup>	2
12	<b>Revision</b>	Review all previous topics	14 <sup>th</sup>	1
13	<b>Final exam</b>		15 <sup>th</sup>	1
<b>Total number of weeks and hours</b>			<b>15</b>	<b>15</b>

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