

## Course Syllabus of Radiographic Anatomy I

Faculty: Medicine and Health Sciences

Department: Health science

Program: Bachelor in Radiologic Technology & Medical Imaging

I. General information about the course instructor :							
Name	Ibrahim Alboani	Office Hours(2 Hours Weekly )					
Location & phone number	UST- 774545997	Sat	Sun	Mon	Tue	Wed	Thu
Email	E.Aboani@ust.edu				2		

II. General information about the course:						
1.	Course Title :	Radiographic Anatomy 1				
2.	Course Code and Number :	BMI211				
3.	Credit Hours :	Credit Hours				Total
		Theoretical	Seminar/Tutorial	Practical	Training	
		2		1		3
4.	Study Level and Semester:	2 <sup>nd</sup> year /1 <sup>st</sup> semester				
5.	Pre-requisites :	BHS130				
6.	Co-requisites :	None				
7.	Program in which the course is offered:	Bachelor in Radiologic Technology & Medical Imaging				
8.	Teaching Language:	English				
9.	Instruction location:	University of Science and Technology, Sana'a ,Yemen				



الموصف:  
د. إبراهيم البعني

المراجع:  
د. صدام الزوفي  
د. مجاهد نصار

رئيس القسم:  
د. عبد الحبيب ردمان

عميد الكلية:  
د. عبد الله المخلافي



### III. Course Description

Radiographic anatomy I course concerned with the detection of the normal anatomical structures of the musculoskeletal system , thorax, mediastinum and breast. It also allows students to recognize the anatomical structures related to different part positions and radiographic projections. Lectures, practical demonstration, group discussion and other teaching strategies will be used. The students will be evaluated through written exam, practical exam, and assignment. Anatomy is prerequisite course.

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

1. Provides students basic knowledge related to terminology of radiographic densities and image analysis.
2. Enhance student knowledge to describe normal anatomy of musculoskeletal system , thorax, mediastinum and breast on the radiographic images.
3. Enable students to correlate appearance of anatomical structures with body position and radiographic projection.
4. Provide student skills required to distinguish technical mistake according to radiographic appearance of normal anatomical structures.
5. Learn student to assess image quality depending on the appearance of anatomical structures.

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

- 1- Understand terms related to radiographic appearance of normal anatomical structures.
- 2- Explain the Radiographic densities of normal anatomy musculoskeletal system , thorax, mediastinum and breast.
- 3- Describe the normal radiographic appearance of anatomical structures
- 4- Differentiate between the normal appearance and technical mistake that affected appearance of normal anatomical structure.
- 5- Analyze the image quality according to radiographic appearance of anatomical structures.
- 6- Demonstrate anatomical structures of the musculoskeletal system , thorax, mediastinum and breast on radiographic image in relation to different technical aspects and radiographic exposure factors .
- 7- Work effectively in a group in a lab or during preparation of seminars and respects the role of staff and co-staff members, regardless of degree or occupation..



١٣/٩

المراجع :  
د. صدام الزوفي  
د. مجاهد نصار

الموصف :  
د. إبراهيم البعني



VI. Course content				
Topics/Units of Course Contents				
First: Theoretical Aspects				
No.	Course Topics/Units	Sub-topics	Week due	Contact Hours
1	Introduction radiographic anatomy	- Course orientation. - Terms related to radiographic anatomy.	1 <sup>st</sup>	2
2	Musculoskeletal system	- Radiographic anatomy of upper limb and shoulder girdle	2 <sup>nd</sup> , 3 <sup>rd</sup>	4
3	Musculoskeletal system	- Radiographic anatomy of lower limb and pelvic girdle	4 <sup>th</sup> , 5 <sup>th</sup> , 6 <sup>th</sup>	6
4	Mid-term exam		7 <sup>th</sup>	2
5	Musculoskeletal system	- Radiographic anatomy of spine	8 <sup>th</sup>	2
6	Musculoskeletal system	- Radiographic anatomy Cranial and facial bones.	9 <sup>th</sup> , 10 <sup>th</sup>	4
8	Thorax	- Radiographic anatomy of Thoracic wall	11 <sup>th</sup>	2
9	Thorax	- Radiographic anatomy of mediastinum and lungs	12 <sup>th</sup>	2
10	Thorax	- Radiographic anatomy of heart and great vessels	13 <sup>th</sup>	2
11	Breast	- Radiographic anatomy of breast	14 <sup>th</sup>	2
12	Final exam		15 <sup>th</sup>	2
Total number of weeks and hours			15	30

جامعة العلوم والتكنولوجيا  
 كلية طب البصرة والاعتماد  
 على معايير الجودة  
 APPROVED

١٣/١٠

المراجع :  
 د. صدام الزوفي  
 د. مجاهد نصار

الموصف :  
 د. إبراهيم البعني



Second: Practical/Tutorial/Clinical Aspects			
No.	Practical/Tutorial/Clinical topics	Week Due	Contact Hours
1	Introduction to radiograph	1 <sup>st</sup>	2
2	Radiographic images of upper limb and shoulder	2 <sup>nd</sup> , 3 <sup>rd</sup>	4
3	Radiographic images of lower limb and pelvic girdle	4 <sup>th</sup> , 5 <sup>th</sup>	4
4	Radiographic images of spine	6 <sup>th</sup> , 7 <sup>th</sup>	4
5	Radiographic images of cranial and facial bones	8 <sup>th</sup> , 9 <sup>th</sup>	4
6	Radiographic images of thoracic wall	10 <sup>th</sup>	2
7	Radiographic images of mediastinum and lung	11 <sup>th</sup>	2
8	Radiographic images of heart and great vessels	12 <sup>th</sup>	2
9	Radiographic images of breast	13 <sup>th</sup>	2
10	Final practical exam	14 <sup>th</sup>	2
Total number of weeks and hours		14	28

العلوم والتكنولوجيا  
إدارة ضمان الجودة والاعتماد  
مستند  
APPROVED

١٣/١١

المراجع :  
د. صدام الزوفي  
د. مجاهد نصار

*(Signature)*

الموصف :  
د. إبراهيم البعني

*(Signature)*