



A brief Course Description

Course Name	Clinical Practicum II (Women's Imaging)		
Course Code	RDI 321		
College	College of Health and Rehabilitation Science		
Department/ Program	Radiological Sciences / Diagnostic Imaging		
Year / Level:	3 rd Year / 2 nd Semester		
Credit Hours	0+0+2=2		
Contact Hours	Lecture: None	Lab/Tutorial None	Training: 60
Language	English		
Track	Department Requirement		
Pre-requisites Course:	RDI 311 - CT Protocols and Techniques RDI 314 - MRI Physics and Technology		
Co-Requests:	None		
Course Objectives:	<ul style="list-style-type: none"> Provide practical experience on what is learned in the course of Women's Imaging technique. <p>Upon successful completion, the student will be able to:</p> <ul style="list-style-type: none"> Modify and conduct the radiographic examination according to the need of acutely ill patient. Operate scanners equipment and modify technique according to situation. Carefully handle the patient and work in reasonably. 		



A brief Course Description

Course Name	Advanced CT Procedures		
Course Code	RDI 322		
College	College of Health and Rehabilitation Sciences /		
Department/ Program	Radiological Sciences		
Year / Level:	3/6		
Credit Hours	1+0+2=3		
Contact Hours	Lecture: 24	Lab/Tutorial	Training: 60
Language	English		
Track	Department Requirement		
Pre-requisites Course:	RDI 311		
Co-Requests:	NONE		
Course Objectives:	<ul style="list-style-type: none"> - Recognizing the advanced protocol generation - Develop understanding on the advanced operation of CT - Demonstrating the knowledge of Does optimization 		



A brief Course Description

Course Name	CT and MRI Cross-sectional Anatomy and Pathology II		
Course Code	RDI 323		
College	College of health and rehabilitation science		
Department/ Program	Radiological Sciences Dept. (Diagnostic Imaging)		
Year / Level:	3rd year-2nd semester		
Credit Hours	2+1+0=3		
Contact Hours	Lecture: 30	Lab/Tutorial: NA	Training: 30
Language	English		
Track	Department Requirement		
Pre-requisites Course:	RDI 312 CT and MRI Cross-sectional Anatomy and Pathology I		
Co-Requests:	None		
Course Objectives:	<ul style="list-style-type: none"> This course enables students to review gross anatomy and require the necessary knowledge of cross sectional anatomy and common pathology by CT and MRI image evaluation <p>Upon successful completion, the student will be able to:</p> <ul style="list-style-type: none"> Determine cross sectional anatomy of chest, abdomen , pelvis, upper and lower limbs by CT and MRI Gain a good idea about CTA and MRA Define common pathology of chest, abdomen, pelvis on CT and MRI images 		

A brief Course Description



Course Name	Women's Imaging Techniques		
Course Code	RDI 324		
College	College of Health and Rehabilitation Science		
Department/ Program	Radiological Sciences / Diagnostic Imaging		
Year / Level:	3 rd Year / 2 nd Semester		
Credit Hours	3 HOURS (2+0+1)		
Contact Hours	Lecture: 30	Lab/Tutorial None	Training: 60
Language	English		
Track	Department Requirement		
Pre-requisites Course:	RDI 311 - CT Protocols and Techniques RDI 314 - MRI Physics and Technology RAD 212 - Introduction to Radiological Modalities		
Co-Requests:	None		
Course Objectives:	<p>Upon successful completion, the student will be able to:</p> <ul style="list-style-type: none"> Recognize the new radiological modalities in women imaging. Apply the latest principals, techniques and optimization in order to perform breast imaging. Appraise new technologies in breast imaging and evaluate their potential role and appropriate use in the evaluation of breast disease Employ ultrasound in the evaluation of pelvic masses and acute pelvic pain Effectively use ultrasound in the evaluation of the pregnant patient 		

A brief Course Description

Course Name	MRI Sequences and Techniques
-------------	------------------------------



Course Code	RDI 325		
College	College of health and rehabilitation science		
Department/ Program	Radiological Sciences Dept. (Diagnostic Imaging)		
Year / Level:	3rd year-2nd semester		
Credit Hours	2+0+4 =3 (4 clinical worth one credit)		
Contact Hours	Lecture: 28	Lab/Tutorial: NA	Training: 14*8 =102
Language	English		
Track	Department Requirement		
Pre-requisites Course:	RAD 212 introduction to radiological modalities / RAD 211 introduction to radiation physics		
Co-Requests:	None		
Course Objectives:	<p>-Recognizing the principles of MRI sequences -Recognizing the implementation of MRI different sequences in a clinical protocols - Demonstrating the knowledge of MRI protocols used in hospitals - Identifying the MRI various sequence and its applications based on patients case -Gain basic knowledge and concept on MRI sequences and its applications -Develop understanding on the theoretical background of different MRI sequences -This course is continuation of MRI materials given in this program. The course will introduce</p> <p>After completing the course, the students should be able to:</p> <p>-Student should learn some advanced features related to the functions of each MRI parameter. -Student should be familiar with different tissue contrast on different weighting as well as the application of contrast media. -The student should be familiar with different image artefacts and how to avoid them</p>		