



A brief Course Description

Course Name	Clinical Practicum I		
Course Code	RUS 311		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	3 rd year, 5 th level		
Credit Hours	3(1.0.2)		
Contact Hours	Lecture: 1	Lab/Tutorial: 0	Training: 8
Language	English		
Track	Program Requirement		
Pre-requisites Course:	RUS 221- RUS 222		
Co-Requests:	None		
Course Objectives:	Upon successful completion of this course, the student will be able to gain hands-on clinical and laboratory experience in the settings of the abdomen and pelvis sonography. Sonographic examinations are conducted under direct and indirect supervision. Topics include: oral and written communication; basic patient care; equipment manipulation for optimum image resolution; students must demonstrate the progression of knowledge and scanning skills during this clinical rotation.		



A brief Course Description

Course Name	Obstetrical Sonography and Procedures		
Course Code	RUS 312		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	3 rd year, 5 th level		
Credit Hours	3(2.1.0)		
Contact Hours	Lecture: 2	Lab/Tutorial: 2	Training: 0
Language	English		
Track	Program Requirement		
Pre-requisites Course:	RUS 221		
Co-Requests:	None		
Course Objectives:	By the end of this course, the students will be able to recognize the importance of ultrasound in clinical practice, the importance of right diagnosis in the field of obstetrics with the help of ultrasound, and manage the components of first trimester, second trimester and 3rd-trimester ultrasound exam completely.		



A brief Course Description

Course Name	Ultrasound Physics II		
Course Code	RUS 313		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	3 rd year, 5 th level		
Credit Hours	3(2.1.0)		
Contact Hours	Lecture: 2	Lab/Tutorial: 2	Training: 0
Language	English		
Track	Program Requirement		
Pre-requisites Course:	RUS 221		
Co-Requests:	None		
Course Objectives:	By the end of this course, the students will be able to state the Doppler effect, the main biological effects of ultrasound imaging, define TI (thermal index) and MI (mechanical index), understand the AIUM and Health Canada statements on bioeffects and safety for diagnostic medical sonography, use the guidelines to implement ALARA.		



A brief Course Description

Course Name	Pelvic Sonography and Procedures		
Course Code	RUS 314		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	3 rd year, 5 th level		
Credit Hours	3(2.1.0)		
Contact Hours	Lecture: 2	Lab/Tutorial: 2	Training: 0
Language	English		
Track	Program Requirement		
Pre-requisites Course:	RUS 221		
Co-Requests:	None		
Course Objectives:	Upon successful completion, the student will be able to gain a basic understanding of normal female pelvic anatomy, including anatomic relationships. List and describe benign and malignant findings in the uterus and ovaries will be able to Correlate sonographic findings with the physiology of the menstrual cycle. Explain the indications and contraindications for endovaginal sonography.		



A brief Course Description

Course Name	Sonography Cross-sectional Anatomy		
Course Code	RUS 315		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	3 rd year, 5 th level		
Credit Hours	3(2.1.0)		
Contact Hours	Lecture: 2	Lab/Tutorial: 2	Training: 0
Language	English		
Track	Program Requirement		
Pre-requisites Course:	HRS 112- HRS 113		
Co-Requests:	None		
Course Objectives:	Upon successful completion, the student gain the basic knowledge on the normal ultrasound anatomy of various organs and recognize the ultrasound characteristics of various anatomical variations.		