



A brief Course Description

Course Name	Health Administration and Informatics		
Course Code	HRS 117		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	4 th year, 8 th level		
Credit Hours	3(2.1.0)		
Contact Hours	Lecture: 2	Lab/Tutorial: 2	Training: 0
Language	English		
Track	College Requirement		
Pre-requisites Course:	None		
Co-Requests:	None		
Course Objectives:	<p>This course aim to provide students with the ability to define management, leadership, planning and health information. List various health systems prototypes. Recognize reasons, structures and processes of groups and teams. Recognize leadership theories, traits, skills and behaviors. Recognize record linkage and data protection. Differentiate management and leadership. Compare methods for making decisions. Discuss barriers to effective decision making. Recognize Principles of planning, organizing, controlling and staffing. Coordinate jobs and positions in a healthcare organization.</p>		



A brief Course Description

Course Name	Special Topics in Sonography		
Course Code	RUS 421		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	4 th year, 8 th level		
Credit Hours	2 (2.0.0)		
Contact Hours	Lecture: 2	Lab/Tutorial: 0	Training: 0
Language	English		
Track	Program Requirement		
Pre-requisites Course:	RUS 222- RUS 314- RUS 321		
Co-Requests:	None		
Course Objectives:	Upon successful completion, the student will be able to clarify the common clinical pediatric abdominal problems, describe the role of ultrasound in pediatric hips assessment, identify the ultrasound features of the normal neonatal head, characterize the ultrasound feature of the transplant organs and recognize the ultrasound contrast technology and how it is performed.		



A brief Course Description

Course Name	Research Project II		
Course Code	RUS 422		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	4 th year, 8 th level		
Credit Hours	2 (2.0.0)		
Contact Hours	Lecture: 2	Lab/Tutorial: 0	Training: 0
Language	English		
Track	Program Requirement		
Pre-requisites Course:	RUS 411		
Co-Requests:	None		
Course Objectives:	Upon successful completion, the student will be able to practice how to manage issues of patient confidentiality, perform a full thesis, present it, support the conduct and dissemination of research in Ultrasound specialties.		



A brief Course Description

Course Name	Instrumentation and Quality Control		
Course Code	RUS 423		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	4 th year, 8 th level		
Credit Hours	2 (1.0.01)		
Contact Hours	Lecture: 1	Lab/Tutorial: 0	Training: 4
Language	English		
Track	Program Requirement		
Pre-requisites Course:	RUS 221- RUS 313		
Co-Requests:	None		
Course Objectives:	Upon successful completion, the student will understand the ultrasound quality control test procedures, preventive maintenance, equipment calibration, in-service education of sonographers, Ultrasound machine specification, acceptance testing of new equipment, and evaluation of new products. Describe routine ultrasound quality assurance tests to be performed by or under the supervision of a medical physicist.		



A brief Course Description

Course Name	High Resolution & Small Parts Sonography		
Course Code	RUS 424		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	4 th year, 8 th level		
Credit Hours	2 (1.0.1)		
Contact Hours	Lecture: 1	Lab/Tutorial: 0	Training: 4
Language	English		
Track	Program Requirement		
Pre-requisites Course:	None		
Co-Requests:	None		
Course Objectives:	Upon successful completion, the student will develop the knowledge and skills in performing and describing the normal and abnormal sonographic appearances of the neck, gastrointestinal tract, male reproductive system, eye and musculoskeletal ultrasound.		



A brief Course Description

Course Name	Clinical Practicum V		
Course Code	RUS 425		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	4 th year, 8 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 414		
Co-Requests:	None		
Course Objectives:	Students in this course gain additional hands-on experience in the settings of abdomen, pelvis, obstetrics, vascular and cardiac sonography. They should demonstrate effective and appropriate communication with patients, their families, and staff in the clinical environment. They obtain images of normal and abnormal structures with landmarks and recognize abnormal findings and document abnormalities.		