



A brief Course Description

Course Name	Human Anatomy and Physiology -1		
Course Code	HRS 112		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	2 nd year, 3 rd level		
Credit Hours	3(2.1.0)		
Contact Hours	Lecture: 2	Lab/Tutorial: 2	Training: 0
Language	English		
Track	College Requirement		
Pre-requisites Course:	HFSB101-1, HFSB102-1		
Co-Requests:	None		
Course Objectives:	At the end of the course, students should be able to: identify the location of anatomical structures and anatomical parts of the human body by using directional and orientation terms and on radiographic images and models, acquire knowledge of the Structure and functions of all the systems of the body.		



A brief Course Description

Course Name	Emergency Life Support Techniques		
Course Code	HRS 114		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	2 nd year, 3 rd level		
Credit Hours	3(2.1.0)		
Contact Hours	Lecture: 2	Lab/Tutorial: 2	Training: 0
Language	English		
Track	College Requirement		
Pre-requisites Course:	HFSB 101-1 & HFSB 102-1		
Co-Requests:	None		
Course Objectives:	<p>The student will be able to describe the concepts related to basic life support techniques, explain the primary & secondary assessment of patients with emergency conditions, acquire basic skills in handling patients in arrest conditions, realize the general concepts and the basis of first aid and perform CPR effectively, deal with and manage common medical emergencies, assess the emergency situation and categorize the patients according to the priorities and degree of illness, communicate with the operator, colleagues and patients and relatives effectively based on professional ethics and control protocols.</p>		



A brief Course Description

Course Name	Society and Health		
Course Code	HRS 115		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	2 nd year, 3 rd level		
Credit Hours	3 (3.٠.0)		
Contact Hours	Lecture: ٣	Lab/Tutorial: ٠	Training: 0
Language	English		
Track	College Requirement		
Pre-requisites Course:	None		
Co-Requests:	None		
Course Objectives:	The aim of this course is to understand how community affects health outcomes of individuals and population. The course will teach the different determinants of health outcomes and discuss the biological and socio-economic dimensions of health and illness.		



A brief Course Description

Course Name	Introduction to Radiation Physics		
Course Code	RAD 211		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	2 nd year, 3 rd level		
Credit Hours	3(2.1.0)		
Contact Hours	Lecture: 2	Lab/Tutorial: 2	Training: 0
Language	English		
Track	Department Requirement		
Pre-requisites Course:	HFSP 101-1		
Co-Requests:	None		
Course Objectives:	By the end of the course, students are expected to: outline the radiation principles, behaviors, and interaction, identify: atomic structure, binding energy, excitation, ionization and non-ionization and atomic radiation, apply the radioactivity decay law and half-life, express and explain Radiation interaction with matter, state the principles of X-ray tube and X-ray production.		



A brief Course Description

Course Name	Introduction to Radiological Modalities		
Course Code	RAD 212		
College	Health and Rehabilitation Sciences		
Department/ Program	Radiological Sciences Department/ Ultrasound Program		
Year / Level:	2 nd year, 3 rd level		
Credit Hours	2 (2.0.0)		
Contact Hours	Lecture: 2	Lab/Tutorial: 0	Training: 0
Language	English		
Track	Department Requirement		
Pre-requisites Course:	HFSP 101-1		
Co-Requests:	None		
Course Objectives:	Upon successful completion, the student will be able to satisfactorily decide which track of radiological science would like to subspecialize, recognize the technologies of radiological modalities, recognize the imaging and therapeutic radiological modalities framework and integrity and differentiate between the technologies.		