

Medical Imaging Degree Program

Year 1

Course: BMI 1102 Patient Care for Medical Imaging
Practitioners

Primary Faculty: Raphael D. Hazel, PhD, Dip. Ed.
Lecturer, Medical Imaging Program

Class Time: Tuesdays 10:00 - 12:00 pm

Tutorial: Wednesdays 12:00 – 1:00 pm

Labs Fridays: 12:00 - 2:00 pm

Class Location: HS 209

Office Location: HS 312

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Office hours: HS 312, by appointment

Text Book: Patient care in Radiography with Introduction
to Medical Imaging, 8th ed, Ruth Ann Ehrlich
RT(R), 2012

a) Course: Patient Care for Medical Imaging Practitioners			
Code : BMI 1102 credits : 3			
b) Description: General description of the course, include mode of delivery.			
The course will teach patient safety, patient care, patient confidentiality and ethical guidelines for the conduct for medical imaging professionals. Students will be able provide patient care for any patient attending a Diagnostic Imaging Department for an Imaging Procedure.			
Learning outcomes:			
The student will be able to:			
<ul style="list-style-type: none"> To understand the functions and ethics of Health Care. The student will be able to understand the needs of patients for diagnostic imaging procedures and provide patient care in a safe and effective manner in the x-ray department. 			
Contact Hours:			
	Contact hrs per wk*	Class size	Mode of delivery
Lectures	2	25	Face to face/ online sessions
Tutorials	1	25	Face to face
Labs/Labs	2	25	Clinical/Hospital visit
Method of Evaluation/Assessment:			
Course work:	4 tests 5% each, 8 Laboratory/ assignments 2.5% each, Midterm exam 20%		
Final exam:	3 hours, 40%		
Requirements to pass course:			
Must pass Course Work and Final Exam to pass Course			
Grading System:			
A	80-100 %		
B	70-79 %		
C	60-69 %		
D	55-59%		
F	0-54%		
Course Content:			
Week	Topics		
1	Medical Imaging Services Organization, Components of a General Radiology department		

2	Organization of hospital. Role of imaging department. Legal and ethical issues pertaining to Radiographers and National Code of Ethics for Radiographers.
3	Introduction to Psychology. Patient preparation for general diagnostic imaging examinations. Departmental responsibility.
4	Attending to patients' needs. Care of patients with special problems such as diabetes, HIV/AIDS, facial and spinal injuries, fractured extremities, etc.
5	Definition of cross infection. Causes and techniques for infection control, e.g. Hand washing, cleaning and proper waste disposal.
6	Vital signs; taking vital signs
7	Midterm Exam
8	Body mechanics and handling of patient.
9	Patient safety, comfort and immobilization.
10	Stock keeping of supplies and stock taking of supplies in the Radiography Department.
11	Keeping of records in the radiology department: registering and filing of patient data. Purposes of record keeping.
12	Procedure in event of accident in Radiology department. Recording and reporting of accidents in department.
13	First Aid and CPR (BLS).
14	Review
15	Final Examination

Required and recommended text books:

- a. Ehrlich, R., McCloskey, E., Daly, J. (1999). *Patient Care in Radiography*. 5th Edition. St. Louis: Mosby-Year Book.
- b. Torres, L.S. (1993). *Basic Medical Techniques and Patient Care for Radiologic Technologists*. Philadelphia: Lipincott.
- c. *Merril's Atlas for Radiographic Imaging Professionals* Volume 1.

Web Sites

- Health Professions Council, UK www.hpc-uk.org
- Society and College of Radiographers (UK) www.sor.org

