

Montgomery County Community College
RAD 100
Introduction to Radiography and Patient Care
3-3-0

COURSE DESCRIPTION:

This course will provide the student with an overview of the foundations in radiography and the practitioner's role in the health care delivery system. Principles, practices, and policies of the health care organizations will be examined and discussed in addition to the professional responsibilities of the radiographer. Communication skills and professional conduct of the radiographer in the clinical setting will also be introduced. Basic concepts of patient care, physical and psychological needs of the patient, and routine and emergency patient care will be described. Human diversity in health care will be discussed and its

patient's total health care.

	On-Line Searches	
7. Perform basic venipuncture procedures through a competency examination process.	Lecture/Discussion Demonstration/Practice Assigned Readings Skills Competency	Skills Rubric Examinations
8. Exhibit verbal and written proficiency in medical terminology.	Demonstration/Practice Case Study Student Presentation Assigned Readings Written Experiences On-Line Searches	Medical Terminology Exams Abstract I & II Poster Presentation Examinations
9. Discuss basic radiation safety concepts and describe the potential risk of radiation exposure when asked.	Lecture/Discussion Student Presentation Assigned Readings Written Experiences On-Line Searches	Radiation Protection Assignment Discussion Questions and Group Interaction Examination
10. Explain Radiography related pharmacology as it relates to patient procedures and precautions.	Lecture/Discussion Assigned readings Written Experiences	Patient Safety Assignment Group Interaction Examinations

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Director of Educational Effectiveness. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria.*

SEQUENCE OF TOPICS:

1. Medical Terminology
2. The Health Science Professions
3. The Health Care Environment
4. Hospital and Radiology Organization
5. Accrediting and Credentialing
6. Professional Organizations
7. Professional Development and Values
8. Culture, Ethnicity and Diversity

9. The Radiographer and the Health Care Team
10. Attitudes and Communication in Patient Care
11. Safety and Transfer Positioning
12. Infection Control
13. Evaluating Physical Needs
14. Medical Emergencies
15. Venipuncture and Pharmacology

LEARNING MATERIALS:

JRCERT Standards for an Accredited Educational Program in Radiologic Sciences

ARRT Code of Ethics for a Radiographer

Texts:

Adler, A., Carlton, R., Stewart, K. (2023). *Introduction to Radiography and Patient Care* (8th ed.). Philadelphia, PA: W.B. Saunders.

Cohen, B & Jones, S (2021). *Medical Terminology; An Illustrated Guide*, Burlington, MA: Jones & Bartlett Learning.

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

COURSE APPROVAL:

Prepared by: Debra Poelhuis, M.S., R.T. Date: 5/2004

Revised by: Debra Poelhuis, M.S., R.T. Date: 1/2009

VPAA/Provost Compliance Verification: Dr. John C. Flynn, Jr. Date: 9/11/2009

Revised by: Debra Poelhuis, R.T., M.S. Date: 10/26/2012

VPAA/Provost or designee Compliance Verification:
Victoria L. Bastecki-Perez, Ed.D. Date: 10/26/2012

Revised by: Cheryl L. DiLanzo Date: 10/28/2016

VPAA/Provost or designee Compliance Verification:
Victoria L. Bastecki-Perez, Ed.D. Date: 11/17/2016

Revised by: Cheryl L. DiLanzo and Debbie Dalrymple

Date: 1/8/2018

VPAA/Provost or designee Compliance Verification:

Victoria L. Bastecki-Perez, Ed.D.

Date: 1/9/2018

Revised by: Cheryl L. DiLanzo

Date: 4/2/2020

Provost or designee Compliance Verification:

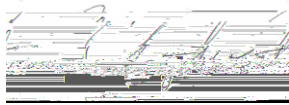
Date: 4/2/2020

Revised by: Dana Smith, M.S., R.T.

Date: 3/7/2024

VPAA or designee Compliance Verification:

Date: 3/27/2024



This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.