

RADT 205

Clinical Education III

3 Credits

Community College of Baltimore County Common Course Outline

Description

RADT 205 – Clinical Education III: continues the clinical professional portion of the Radiography program. Students participate in actual radiographic/imaging procedures by assisting the radiology staff at clinical facilities and perform imaging exams under direct and indirect supervision. In addition, students prepare and present reports describing image analysis of various clinical exams. 3 credit hours: 24 clinical hours and 2 lab hours per week; 13 weeks. Offered summer semester.

Pre-requisites: RADT 123, RADT 124, RADT 125

Co-requisites: RADT 204

Overall Course Objectives

Upon completion of this course, students will be able to:

1. demonstrate appropriate professional ethics and behavior while on clinical duty;
2. demonstrate proper use and care of radiographic equipment on campus and at clinical facilities by observing operation of radiographic/other equipment and then correctly using equipment under supervision and by practicing radiation protection using protective equipment/techniques;
3. employ good patient care and proper customer relations;
4. anticipate responsibility for actions and behavior by following through on assigned tasks and directions and by readily assisting with stocking and cleaning clinical area/equipment as required;
5. communicate accountability to assigned clinical area by reporting to assigned area on time and remaining available throughout scheduled time;
6. incorporate an interest in learning by being proactive in procedures in clinical areas and by asking pertinent questions;
7. demonstrate a professional appearance and demeanor by maintaining a well-groomed appearance, practicing appropriate personal hygiene, wearing program identification badge and dosimeter properly, adhering to program dress code, and interacting with patients and staff on a courteous, professional level;
8. critique radiographic images for image quality;
9. perform clinical coursework for category I (chest and abdomen), category II (upper extremities), category III (lower extremities), category IV (spine and thorax), and category V (Contrast Studies); and
10. perform laboratory simulations for category III (lower extremities), category IV (spine and thorax), and category V (Contrast Studies).

Major Topics

- I. Image Analysis
- II. Proper Use and Care of Equipment
 - a. Image receptors
 - b. Operation of radiographic equipment and accessories
 - c. Picture Archiving and Communication System (PACS)
 - d. Image display and annotation
- III. Patient Care
 - a. Vital signs
 - b. Patient confidentiality and modesty
 - c. Standard precautions
 - d. Patient needs and safety
- IV. Clinical Area Responsibilities
 - a. Assigned tasks
 - b. Clinical attendance and uniform
 - c. Clinical area cleaning and stocking
 - d. Patient transport
 - e. Radiographic exams under direct and indirect supervision
 - f. Radiation protection
 - g. Professional ethics and behavior
- V. Lab Responsibilities
 - a. Tasks and assignments
 - b. Lab simulation activities and testing
 - c. Lab attendance and uniform
 - d. Lab area maintenance
 - e. Radiation protection
 - f. Professional ethics and behavior

Course Requirements

Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- 5 Lab Simulation Tests
- 2 Quizzes
- 20 Clinical Evaluations
- 6 Clinical Objectives
- 4 Preliminary Image Evaluations
- 5 Image Evaluations
- 20 Competency Evaluations, total
- 1 Service Learning Project

Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

Other Course Information

The American Registry of Radiologic Technologists (ARRT) has established a minimum scaled passing score of 75%. The Radiography program has developed standards of grading that are consistent with grading systems of other programs. Letter grades will be distributed according to the following standards:

92 -100 A

83 -91 B

75 -82 C

65 -74 D

Below 65 F*

*If a student is absent for clinical duty three occurrences or more in a semester without bona fide physician statements, the student's semester letter grade will be dropped by one letter.

Students must complete at least 4 service hours by the end of the semester.

This course is a required course in the AAS Radiography program within the Medical Imaging Department. All RADT courses must be passed with a grade of C or better.

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