

RADT 225

Clinical Education V

3 Credits

Community College of Baltimore County Common Course Outline

Description

RADT 225 – Clinical Education V: concludes the clinical professional portion of the Radiography program. Students participate in actual radiographic/imaging procedures and perform imaging exams under mostly indirect supervision. 3 credit hours: 24 clinical hours and 2 lab hours per week; 15 weeks. Offered spring semester.

Pre-requisites: RADT 221

Co-requisites: RADT 223, RADT 224

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 correctly using equipment under appropriate supervision and by practicing radiation protection using protective equipment/techniques;
3. employ good patient care and proper customer relations;
4. incorporate responsibility for actions and behavior in daily tasks and directions and by readily assisting with stocking and cleaning clinical area/equipment as required;
5. reinforce accountability to assigned clinical area by reporting to assigned area on time and remaining available throughout scheduled time;
6. manage procedures and workload independently under indirect supervision;
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. 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), category VI (Skull and Facial Bones), category VII (Mobile and Surgical Procedures), and category VIII (Advanced Medical Procedures); and
9. perform laboratory simulations for category VI (Skull and Facial Bones), category VIII (Advanced Medical Procedures), and final trauma simulation labs.

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:

- 3 Lab Simulation Tests
- 20 Clinical Evaluations
- 4 Clinical Objectives
- 6 Preliminary Image Evaluations
- 4 Image Evaluations
- 64 Competency Evaluations (program total)
- 1 Research Paper

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.

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.

Date Revised: 9/5/2019