

## **RADT 125**

### **Clinical Education II**

2 Credits

## Community College of Baltimore County Common Course Outline

### **Description**

**RADT 125 – Clinical Education II:** 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 begin to perform imaging exams under direct supervision. Also, students prepare and present reports describing image analysis of various clinical exams. 2 credit hours: 16 clinical hours and 2 lab hours per week; 15 weeks. Offered spring semester.

**Pre-requisites:** RADT 121

**Co-requisites:** RADT 123, RADT 124

### **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. apply learned responsibility skills by following through on assigned tasks and directions and by readily assisting with stocking and cleaning clinical area/equipment as required;
5. use accountability skills by reporting to assigned clinical area on time and remaining available throughout scheduled time;
6. show continued interest in learning by being attentive to 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), and category IV (spine and thorax); and
10. perform laboratory simulations for category II (upper extremities) and category III (lower extremities).

## **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:

- 10 Lab Simulation Tests
- 2 Quizzes
- 25 Clinical Evaluations
- 8 Clinical Objectives
- 10 Image Evaluations
- 8 Competency Evaluations, including PA and Lateral Chest Ambulatory and AP Supine Abdomen

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.

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