

RADT 235

Computed Tomography (CT) Clinical Practicum III

2 Credits

Community College of Baltimore County Common Course Outline

Description

RADT 235 – Computed Tomography (CT) Clinical Practicum III: completes the clinical professional portion of the Computed Tomography program. Students perform Computed Tomography procedures under the direct supervision of a preceptor/mentor. Students are provided with the opportunity to expand on the principles and clinical skills they learned in the classroom, with attention on quality control procedures. 2 credits: 16 clinical hours per week; 8 weeks. (Offered summer or fall semester).

Pre-requisites: RADT 234

Co-requisites: RADT 232

Overall Course Objectives

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

1. demonstrate professional behavior in dealing with patients and other staff members;
2. apply standard and transmission-based precautions;
3. provide patient-centered clinically effective care for all patients, regardless of age, gender, disability, special needs, ethnicity, or culture;
4. integrate appropriate personal and professional values into clinical practice;
5. assess the patient to record clinical history;
6. respond appropriately to medical emergencies;
7. demonstrate competency in the principles of radiation protection practices;
8. select technical factors to produce quality diagnostic images with the lowest radiation exposure possible;
9. identify anatomy and pathology on scans;
10. complete quality control procedures;
11. demonstrate clinical performance by being evaluated on clinical skills and tasks; and
12. complete 30 clinical competencies that will prepare the student to sit for the Computed Tomography Registry examination offered by the American Registry of Radiologic Technologists (ARRT).

Major Topics

- I. Proper Use and Care of Equipment
- II. Sectional Anatomy
- III. Clinical Pathology

The Common Course Outline (CCO) determines the essential nature of each course.
For more information, see your professor's syllabus.

- IV. Quality Control Procedures
- V. Patient Care
 - a. Vital signs
 - b. Patient confidentiality and modesty
 - c. Standard precautions
 - d. Patient needs and safety
 - e. Venipuncture
- VI. Clinical Area Responsibilities
 - a. Assigned tasks
 - b. Clinical attendance and uniform
 - c. Clinical area cleaning and stocking
 - d. Patient transport
 - e. CT exams under direct supervision
 - f. Radiation protection
 - g. Professional ethics and behavior

Course Requirements

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

- 4 Clinical Evaluations
- 30 Clinical Competency Evaluations
- 8 Discussion Board Assignments

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

This course is a required course in the CT certificate program within the Medical Imaging Department.

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