

## **RADT 245**

### **Magnetic Resonance Imaging (MRI) Clinical Practicum III**

2 Credits

## Community College of Baltimore County Common Course Outline

### **Description**

**RADT 245 – Magnetic Resonance Imaging (MRI) Clinical Practicum III:** completes the clinical professional portion of the Magnetic Resonance Imaging program. Students perform Magnetic Resonance Imaging procedures under the direct supervision of a preceptor/mentor. 2 credits: 16 clinical hours per week for 10 weeks. Offered spring semester.

**Pre-requisites:** RADT 241 and RADT 244

**Co-requisites:** RADT 242

### **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 appropriate MRI safety precautions in dealing with metallic objects;
8. select computer parameters to produce quality diagnostic images;
9. demonstrate clinical performance by being evaluated on clinical skills and tasks; and
10. complete 40 clinical competencies that will prepare the student to sit for the Magnetic Resonance Imaging Registry examination offered by the American Registry of Radiologic Technologists (ARRT) exam repetitions.

### **Major Topics**

- I. Proper Use and Care of Equipment
- II. Patient Care
  - a. Vital signs
  - b. Patient confidentiality and modesty
  - c. Standard precautions
  - d. Patient needs and safety
  - e. Venipuncture
- III. Clinical Area Responsibilities

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

- a. Assigned tasks
- b. Clinical attendance and uniform
- c. Clinical area cleaning and stocking
- d. Patient transport
- e. MRI exams under direct supervision
- f. MRI safety
- g. Professional ethics and behavior

### **Course Requirements**

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

- 5 Clinical Evaluations
- 40 Exam Repetitions
- 10 Discussion Board Assignment

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 MRI 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 MRI certificate program within the Medical Imaging Department.

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