

## Master Syllabus

### RAT 2645 - Magnetic Resonance Imaging Practicum

**Division:** Health Sciences

**Department:** Radiologic Technology

**Credit Hour Total:** 1.0

**Practicum:** 7.0

**Other Prerequisite(s):** Approval of Department

**Date Revised:** January 2016

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### Course Description:

A clinical education course that provides hands-on experience performing magnetic resonance imaging procedures at an affiliate hospital and/or imaging center. Seven practicum hours per week.

### General Education Outcomes:

- Oral Communication Competency
- Critical Thinking/Problem Solving Competency
- Values/Citizenship/Community Competency

### Course Outcomes:

#### Contrast Media

Identify and describe related contrast media in terms of characteristics, uses, and potential adverse reactions.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

80% or higher achieved

**Assessment Method:** Performance appraisals

**Performance Criteria:**

80% or higher achieved

#### Procedure Protocols

Demonstrate entry-level performance competencies and describe procedure protocols related to head/neck, thorax, abdomen/pelvis, spine, extremities, and special procedures.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

80% or higher achieved

**Assessment Method:** Performance appraisals

**Performance Criteria:**

80% or higher achieved

#### Patient Care, Ethics and Professionalism

Perform patient exams demonstrating humanistic, moral, ethical and efficient patient care techniques.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

80% or higher achieved

**Assessment Method:** Performance appraisals

**Performance Criteria:**

80% or higher achieved

#### Equipment Operation

Operate the magnetic resonance imaging console and equipment in a effective, efficient and safe manner.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

80% or higher achieved

**Assessment Method:** Performance appraisals

**Performance Criteria:**

80% or higher achieved

#### Image Analysis

Perform effective analysis when evaluating the final image for quality, using problem-solving techniques.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

80% or higher achieved

**Assessment Method:** Performance appraisals  
**Performance Criteria:**

80% or higher achieved

**Outline:**

Head/Neck

Thorax - Lung/Cardiac

Abdomen/Pelvis

Spine

Extremities

Special Procedures