

**Course Information**

<b>Course Title</b>	Practicum (or Field Experience)-Radiologic Technology/Science-Radiographer
<b>Course Prefix, Num. and Title</b>	RADR 2266: Practicum(or Field Experience)-Radiologic Technology/Science Radiographer
<b>Division</b>	Allied Health
<b>Department</b>	Radiologic Technology
<b>Course Type</b>	WECM Course
<b>Course Catalog Description</b>	Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A minimum grade of "C" is required to pass this course.
<b>Pre-Requisites</b>	RADR 2205 and RADR 1267 with a "C" or better
<b>Co-Requisites</b>	None

**Semester Credit Hours**

<b>Total Semester Credit Hours (SCH): Lecture Hours:</b>	2:0:16
<b>Lab/Other Hours</b>	
<b>Equated Pay Hours</b>	2
<b>Lab/Other Hours Breakdown: Lab Hours</b>	0
<b>Lab/Other Hours Breakdown: Clinical Hours</b>	0
<b>Lab/Other Hours Breakdown: Practicum Hours</b>	16
<b>Other Hours Breakdown</b>	0

**Approval Signatures**

<b>Title</b>	<b>Signature</b>	<b>Date</b>
<b>Prepared by:</b>		
<b>Department Head:</b>		
<b>Division Chair:</b>		
<b>Dean/VPI:</b>		
<b>Approved by CIR:</b>		

## Additional Course Information

**Topical Outline:** Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

- I. Clinical Practice
  - A. Code of ethics and professional behavior
    1. ARRT Code of Ethics reporting mechanisms
    2. Standards of Supervision
      - a. Direct
      - b. Indirect
    3. Understanding the patient's expectations, rights, and responsibilities
    4. Understanding the radiographer's professional responsibilities
  - B. Professional Communication
    1. Patients
    2. Patient's family
    3. Health care team
    4. HIPPA (Health Insurance Portability and Accountability Act) compliance
  - C. Radiography Practice Standards
    1. Scope of Practice
    2. Clinical Performance Standards
    3. Quality Performance Standards
    4. Professional Performance Standards
    5. ASRT's Advisor Opinion Statements
  - D. Values
    1. Personal
      - a. Values development
      - b. Impact on patient care
    2. Societal
      - a. Rights and privileges
      - b. Community values
      - c. Impact on patient care
    3. Professional
      - a. Values development
      - b. Values conflict
      - c. Impact on patient care
      - d. Impact of social media
  - E. Culture and diversity
    1. Societal and individual
    2. Socioeconomic factors
    3. Gender
    4. Ethnicity
    5. Race
    6. Age
      - a. infant
      - b. Child
      - c. Adolescent
      - d. Adult
      - e. Middle-Aged
      - f. Geriatric
    7. Family structure and dynamic
    8. Geographical factors

9. Religion, spirituality and belief system
10. Lifestyle choices and behaviors
11. Sexual orientation
12. Disability

## II. Procedural Performance

- A. Scheduling and sequencing of exams
- B. Order/requisition evaluation and corrective measures
- C. Facilities Set Up
- D. Patient assessment, clinical history, education and care
  1. Patient Monitoring-emergency and non-emergency
    - a. vital signs
    - b. Assessment and clinical history
    - c. Equipment
    - d. Patient emergencies
  2. Patient Privacy and confidentiality (HIPPA)
  3. Documentation
  4. Infection Control
  5. Patient Education
    - a. Appropriate communication style
    - b. Age-Specific
    - c. Cultural sensitivity
    - d. Socioeconomic sensitivity
    - e. Patient-focus care
  6. Medical error reduction
  7. Patient safety considerations
- E. Imaging
  1. Positioning considerations
  2. Technical considerations
  3. Image acquisition
  4. Image analysis
- F. Radiation Protection
  1. Principles of ALARA
  2. Radiation safety practices
    - a. Protection of patient
    - b. Protection of personnel
    - c. Protection of others
  3. Education
    - a. Patient and family members
    - b. Other members of the healthcare team
  4. Equipment and accessories

## III. Clinical Competence Perform

1. Ribs
2. Chest Decubitus
3. Skull
4. Paranasal Sinus\*
5. Facial Bones\*
6. Nasal Bones\*
7. Mandible\*
8. Abdomen Upright
9. Abdomen Decubitus

10. Esophagus\*\*\*
11. Cystography/Cystourethrogram/ VCUG\*\*\*
12. Work on Geriatric/Pediatric/Trauma/Surgery/Mobile Studies

\*\*\*Must perform on a live patient

\*Must perform at least one of these procedures

Perform level three competencies

1. L-Spine
2. C-Spine
3. Hip
4. Knee
5. Foot

## Course Learning Outcomes:

### Learning Outcomes – Upon successful completion of this course, students will:

Apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and business industry.

### Methods of Assessment:

Final Course Grade derived from the completion of the Master List of Clinical Objectives.

Evaluation of student Clinical Performance/ Rotation-End of the semester Evaluation.

## Required text(s), optional text(s) and/or materials to be supplied by the student:

Bontrager's Textbook of Radiographic Positioning and Related Anatomy, J. Lampigano and L. Kendrick, Ninth edition, Elsevier St. Luis, Mo.

Bontrager's Textbook of Radiographic Positioning and Related Anatomy Workbook, J. Lampigano and L. Kendrick, Ninth edition, Elsevier St. Luis, Mo.

## Suggested Course Maximum:

18

## List any specific or physical requirements beyond a typical classroom required to teach the course.

Hospital or Clinical Site

**Course Requirements/Grading System:** Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

The master list of clinical objectives has undergone several revisions and will continue to do so in the future. The requirements for any one course will be clearly defined on the first day of that course.

Clinical course grades are based on completion of the assigned portion of the Master List for the semester, professionalism and the evaluation forms filled out by the clinical instructor. For the Master List, points are awarded based on the number of exams that are simulated as follows:

0-2 simulated exams = 60 points

3 simulated exams = 55

Version: 3/20/2019

4 simulated exams= 50

5 or more = 0

Simulations:

Any exam not performed on a patient is considered a simulation. All simulations will be demonstrated to the instructor, by appointment only. This applies to all students. Simulations should be completed one week prior to the end of the semester.

Students may use from "C" exams to replace competencies and if they do not have any Form "C" then the student should simulate any exam they have not completed. Simulations will not help the students' grade and are not considered equal to competencies.

Should a student attempt but fail a simulation, 10 points will be deducted from the above scale for each failed simulation. Furthermore, should a student not attempt to simulate any exam that they have not completed, 15 points will be deducted for each non-attempted exam.

Professionalism Points:

A total of 10 points will be awarded from faculty based on how well the student displays professional behavior throughout the semester. The following is how the 10 points will be awarded:

Evaluations 0-2

Time exceptions 0-2

Demerits 0-2

Professional Conduct 0-4

Please refer to radiology student handbook for further information.

*Evaluations:*

A maximum of 100 points are possible on the evaluation form currently used. Students are evaluated by the clinical instructor twice a semester. Points for each evaluation are

assigned as follows:

Mid and End of Semester Points:

<u>SCORE</u>	<u>POINTS</u>
92-100	15
83-91	12
75-82	9
74 and below	3

The points from the Master List (competencies) will be added to the points from each evaluation along with the points for professionalism and then all four scores added together and a final grade is assigned based on the following scale:

92-100	A
91-83	B
82-75	C
74.9 and below	F

The master list of clinical objectives has undergone several revisions and will continue to do so in the future. The requirements for any one course will be clearly defined on the first day of that course.

Any student that is removed from their clinical site due to behavioral problems will receive an automatic “F” in the clinical course resulting in immediate dismissal from the program.

### **Curriculum Checklist:**

- Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.
- Administrative WCJC Core Course.** Attach the Core Curriculum Review Forms
  - Critical Thinking
  - Communication
  - Empirical & Quantitative Skills
  - Teamwork
  - Social Responsibility
  - Personal Responsibility
- WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist