

## Administrative Master Syllabus

### Course Information

<b>Course Title</b>	Practicum (or Field Experience)-Radiologic Technology/Science-Radiographer
<b>Course Prefix, Num. and Title</b>	RADR 1166
<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>	Acceptance to Radiologic Technology Program and BIOL 2401 and BIOL 2402
<b>Co-Requisites</b>	None

### Semester Credit Hours

<b>Total Semester Credit Hours (SCH): Lecture Hours:</b>	1:0:10
<b>Lab/Other Hours</b>	
<b>Equated Pay Hours</b>	1.25
<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>	10
<b>Other Hours Breakdown</b>	0

### Approval Signatures

Title	Signature	Date
<b>Department Head:</b>	Sharla Walker	09/27/2023
<b>Division Chair:</b>		
<b>VPI:</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 factor
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 behavior
- 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 Competency Perform
  - 1. CPR Certification
  - 2. Vital Signs
    - a. Blood Pressure
    - b. Temperature
    - c. Pulse

- d. Respiration
- e. Pulse Oximetry

- 3. Sterile and aseptic techniques
- 4. Venipuncture
- 5. Transfer of a patient
- 6. Care of patient medical equipment (oxygen tank, IV tubing, ect.)
- 7. Level Two Competencies
  - a. Chest 2 View routine
  - b. Abdomen 1 View
  - c. Thumb/finger
  - d. Hand
  - e. wrist
  - f. Forearm

**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 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.

Clinical course grades are based on completion of the assigned portions 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 from the Mandatory Comps as follows:

- 0-1 simulated exams = 50 points
- 2 simulated exams = 45 points
- 3 simulated exams = 40 points

4 or more = 0 points

**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 only to the freshmen students. Sophomore students will demonstrate simulations to the Clinical Instructors only by appointment. Simulations should be completed and entered into the online clinical tracking system a week before the end of clinical rotations.(no exceptions).

The student should simulate only if the exam is eligible for simulation. Exams eligible for simulation are listed on the Master List of Clinical Objectives. Simulations will not help the student's grade and are not considered equal to competencies.

Should a student attempt but fail a simulation, 5 points will be deducted from the above scale for each failed simulation. Furthermore, should a student not complete the required Mandatory exams within any given semester, 10 points will be deducted for each exam.

**Electives:**

A total of 10 points will be awarded for the completion of the Electives section of Master List of Clinical Objectives. If all elective comps are completed, the student will be awarded 10 points. Should the student not complete the Electives section, points will be deducted proportional to the number of completed electives. For example, if the Master List for the semester has 5 elective exams listed, and the student only completes 4 of those exams, the student will receive 8 points for the electives portion of their grade.

Furthermore: Students should have a minimum of 12 completed electives at the end of the first year of the program (Summer 1st year) and 24 by the end of their second year of the program (Summer 2nd year). Should the student not have the above totals by the end of the Summer Clinical courses, 10 points will be deducted from the Clinical Course grade (Summer 1st year) and should the student not have 24 by the end of the program, the student will not be eligible for graduation and will fail the Clinical Course (Summer 2nd year).

**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 the how the 10 points will be awarded:

**Evaluations 0-2 points**

Time exceptions 0-2 points

Demerits 0-2 points

Professional Conduct 0-4 points

Evaluations shall be turned in and signed in a timely manner. All evaluations shall be entered into the Trajecsys system and signed by the student no later than the last clinical day or points will be deducted from the clinical course grade. Students are allowed 4 time exceptions per semester. No more than 4 time exception reports should be filed within any semester. Should there be more than 4 time exception reports filed or egregious abuse of the time records policy, it is the discretion of the Clinical Coordinator or Program Director to issue demerits, reduce clinical course grade and/or reduce the professionalism portion of the clinical course grade.

Points will also be deducted if the student receives any demerits within the semester.

And lastly, should the student display any unprofessional behavior or conduct themselves in an unprofessional manner either at clinic or in class, points will deducted from the clinical course grade.

It is solely the discretion of the Program Director and/or Clinical Coordinate to deduct points based on the students performance throughout the semester.

**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-SEMESTER EVALUATION:		END OF SEMESTER EVALUATION:	
SCORE	POINTS	SCORE	POINTS
92-100	15	92-100	15
83-91	12	83-91	12
75-82	9	75-82	9
74 and below	3	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 syllabus of that course.

### 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