

Course Information

Course Title	Basic Radiographic Procedures
Course Prefix, Num. and Title	RADR 1411
Division	Allied Health
Department	Radiologic Technology
Course Type	WECM Course
Course Catalog Description	An introduction to radiographic positioning terminology, manipulation of equipment, positioning and alignment of the anatomical structure and equipment, and evaluation of images for demonstration of basic anatomy. A minimum grade of "C" or better is required to pass this course.
Pre-Requisites	Acceptance into the Radiology Program; BIOL 2401; and BIOL 2402
Co-Requisites	None

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours:	4:3:4
Lab/Other Hours	
Equated Pay Hours	5
Lab/Other Hours Breakdown: Lab Hours	4
Lab/Other Hours Breakdown: Clinical Hours	0
Lab/Other Hours Breakdown: Practicum Hours	0
Other Hours Breakdown	0

Approval Signatures

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

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).

Content:

I. Standard Terminology for Positioning and Projection

- a. Standard Terms
- b. Radiographic Terminology
- c. General Planes
- d. Surface Landmarks
- e. Terminology of movement and direction
- f. Positioning aids
- g. Accessory equipment

II. General Considerations

- a. Evaluation of radiographic orders
 1. Patient id by two means
 2. Verification of procedure ordered
 3. Review of clinical history
 4. Clinical history and patient assessment
 5. Exam sequencing

III. Patient considerations

- a. Establishment of rapport with patient
- b. Patient prep
- c. Patient assistance
- d. Patient monitoring
- e. Patient dismissal
- f. Special Considerations

IV. Positioning for the following studies

a. Upper Extremity

1. Fingers
2. Hands
3. Wrist
4. Forearm
5. Elbow
6. Humerus

b. Shoulder

1. Shoulder joint
2. Scapula
3. Clavicle
4. AC Joints

c. Lower Extremity

1. Toes
2. Foot
3. Ankle
4. Calcaneus
5. Tib/Fib
6. Knee/Patella
7. Femur

d. Respiratory system

1. Upper Airway
2. Chest

- e. Abdomen
 - 1. Flat
 - 2. Upright
 - 3. Decubitis

Course Learning Outcomes:

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

1. Define radiographic positioning terms
2. Manipulate equipment
3. Perform basic level procedures in positioning
4. Align anatomic structures and equipment
5. Evaluate images.

Methods of Assessment:

1. Unit 1 and 2 exam
2. Lab readiness exam
3. Lab positioning of final exam
4. Lab positioning of unit 4
5. Radiographic Film Analysis (Unit Exam)

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

Kenneth I. Bontrager and Barry T. Anthony, Textbook of Radiographic Positioning and Related Anatomy, The C. V. Mosby Company, and supplemental workbooks.

Supplemental reading: Phillip W. Ballinger and Eugene D. Frank, Merrill's Atlas of Radiographic Positions and Radiologic Procedures, The C. V. Mosby Company.

Suggested Course Maximum:

18

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

This course requires the use of our radiographic imaging tables and CR readers in our lab.

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

Grading Scale:

92.0 - 100% = A

83.0 – 91.9% = B

75.0 – 82.9% = C

74.9% and below = F

Grading Formula:

End-of-unit exams (Average of written and lab exams) 80%

Comprehensive final** 20%

TOTAL 100%

**Students must pass final exam with a grade of 75 or higher to pass course.

Course Policies

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