



COURSE OUTLINE

Course Number RAD207	Course Title Clinical Experience	Credits 2
Hours: Lecture/Lab/Other 225	Co- or Pre-requisite: Pre-requisites: RAD120, RAD128 Co-requisite: RAD117	Implementation Semester & Year Summer 2022

Catalog description:

Students participate in clinical education at a clinical affiliate, performing radiographic procedures in accordance with the clinical competency evaluation process. Radiographic procedures range from routine to complex and are performed on all populations, pediatric through geriatric. Radiographic image analysis is assigned.

General Education Category:
Not GenEd

Course coordinator:
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Required texts & Other materials:

Title: Textbook of Radiographic Positioning and Related Anatomy
Author: K. Bontrager
Publisher: Elsevier Mosby
Edition: 10th

Title: Handbook of Textbook of Radiographic Positioning and Related Anatomy
Author: K. Bontrager
Publisher: Mosby
Edition: 10th

Course Student Learning Outcomes (SLO):

Upon successful completion of this course, the student will be able to:

1. Develop the technical competence to perform all types of diagnostic imaging procedures on a variety of patient types using a variety of imaging equipment, technique formulations, and processing modes with specific focus on radiographic procedures learned in RAD 127 and RAD 128, operating suite, and portable radiographic examinations. [Supports ILG # 1-5, 8-11]
2. Demonstrate prudent judgment in administering ionizing radiation to produce diagnostic images. [Supports ILG # 2, 3]
3. Focus on providing optimum patient care in a society that is becoming increasingly diverse and experiencing generational, cultural and ethnic shifts. [Supports ILG # 8]
4. Expand the ability to work with others in a team relationship. [Supports ILG # 8]
5. Acquire expertise in trauma, pediatric and geriatric radiographic procedures. [Supports ILG # 11]

Course-specific Institutional Learning Goals (ILG):

Institutional Learning Goal 1. Written and Oral Communication in English. Students will communicate effectively in both speech and writing.

Institutional Learning Goal 2. Mathematics. Students will use appropriate mathematical and statistical concepts and operations to interpret data and to solve problems.

Institutional Learning Goal 3. Science. Students will use the scientific method of inquiry, through the acquisition of scientific knowledge.

Institutional Learning Goal 4. Technology. Students will use computer systems or other appropriate forms of technology to achieve educational and personal goals.

Institutional Learning Goal 5. Social Science. Students will use social science theories and concepts to analyze human behavior and social and political institutions and to act as responsible citizens.

Institutional Learning Goal 8. Diversity and Global Perspective: Students will understand the importance of a global perspective and culturally diverse peoples

Institutional Learning Goal 9. Ethical Reasoning and Action. Students will understand ethical frameworks, issues, and situations.

Institutional Learning Goal 10. Information Literacy: Students will recognize when information is needed and have the knowledge and skills to locate, evaluate, and effectively use information for college level work.

Institutional Learning Goal 11. Critical Thinking: Students will use critical thinking skills understand, analyze, or apply information or solve problems.

Units of study in detail – Unit Student Learning Outcomes

Upon completion of the 225 hour clinical experience, the student will be able to:
[Supports Course SLOs # 1 - 5]

- ◆ Exercise the priorities required in daily clinical practice.
- ◆ Execute medical imaging procedures under the appropriate level of supervision.
- ◆ Adhere to team practice concepts that focus on organizational theories, roles of team members and conflict resolution.

- ◆ Provide patient-centered clinically effective care for all patients regardless of age, gender, disability, special needs, ethnicity or culture.
- ◆ Integrate the use of appropriate and effective written, oral and nonverbal communication with patients, the public and members of the health care team in the clinical setting.
- ◆ Integrate appropriate personal and professional values into clinical practice.
- ◆ Apply standard and transmission-based precautions.
- ◆ Apply the appropriate medical asepsis and sterile technique.
- ◆ Demonstrate competency in the principles of radiation protection standards.
- ◆ Demonstrate safe, ethical and legal practices.
- ◆ Maintain patient confidentiality standards and meet HIPAA requirements.
- ◆ Demonstrate the principles of transferring, positioning and immobilizing patients.
- ◆ Adhere to national, institutional and departmental standards, policies and procedures regarding care of patients, providing radiologic procedures and reducing medical errors.
- ◆ Select technical factors to produce quality diagnostic images with the lowest radiation exposure possible.
- ◆ Critique images for appropriate anatomy, image quality and patient identification.
- ◆ Determine corrective measures to improve inadequate images.

Evaluation of student learning:

A grade of "C+" (77%) or higher must be achieved in the course to progress to RAD228 and RAD217. The following grading policy will be utilized:

Clinical grade is computed as follows:
 Clinical Competency Evaluations 40%
 Clinical Evaluations 35%
 Image Evaluation 25%