

Minnesota State College Southeast

RADT 2611: Radiographic Positioning and Procedures 1

A. COURSE DESCRIPTION

Credits: 5

Lecture Hours/Week: 2

Lab Hours/Week: 6

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

For this first procedures course students will be introduced to the terminology of positioning, equipment used and basic radiographic and technical factors that affect the exposure. Introductory and general anatomy will be presented and specific procedures of the chest, abdomen, and pelvis, upper extremity from hand through shoulder girdle and lower extremity from foot through hip will be covered. Pediatric radiographic positioning will be explored. Labs will enable the student to become familiar with positioning using the x-ray machine. Mobile, trauma and surgical radiographic positioning will be presented. Principles of radiation safety and emphasis on protection of the technologist and patient will be stressed. Radiographic images will be evaluated for anatomy and positioning. The student will also be oriented to the clinical practice setting. (Prerequisite: Admission to the radiography program) (Prerequisite or Concurrent: RADT2601, RADT2605) (5 credits: 2 lecture/3 laboratory)

B. COURSE EFFECTIVE DATES: 02/18/2015 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Successfully perform radiologic procedures of the chest, abdomen, upper and lower extremities
2. Successfully perform radiologic procedures of the gastrointestinal systems

D. LEARNING OUTCOMES (General)

1. Perform radiologic procedures on the chest
2. Identify radiographically significant chest anatomy
3. Evaluate radiographic chest image quality
4. Perform radiologic procedures on the abdomen
5. Identify radiographically significant abdominal anatomy
6. Evaluate radiographic abdominal image quality
7. Perform radiologic procedures on the pelvis and hip
8. Identify radiographically significant pelvis & hip anatomy
9. Evaluate radiographic pelvis image quality
10. Perform radiologic procedures on the upper extremities (limbs)
11. Identify radiographically significant upper extremity (limb) anatomy
12. Evaluate radiographic upper extremity (limb) image quality
13. Perform radiologic procedures on the lower extremities (limbs) from toes through femur
14. Identify radiographically significant lower extremity (limb) anatomy from toes through femur
15. Evaluate radiographic lower extremity (limb) image quality from toes through femur
16. Perform radiologic procedures of the gastrointestinal systems
17. Identify radiographically significant gastrointestinal anatomy
18. Evaluate radiographic gastrointestinal image quality
19. Discuss procedural considerations for contrast studies
20. Adapt procedures for trauma patients
21. Discuss standard terminology for positioning and projections
22. Determine general considerations and how they effect patient interaction
23. Identify positioning considerations for routine radiographic procedures

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted