

Minnesota State College Southeast

RADT 2625: Radiographic Positioning and Procedures 2

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 1

Lab Hours/Week: 4

OJT Hours/Week: *.*

Prerequisites:

This course requires all three of these prerequisites

RADT 2601 - Introduction to Radiologic Sciences

RADT 2617 - Clinical Practicum 1

RADT 2611 - Radiographic Positioning and Procedures 1

Corequisites: None

MnTC Goals: None

This is the second procedures course. In this course the student will be introduced to positioning of the vertebral column to include the sacrum and coccyx, and the bony thorax. Students will also learn fundamental positioning of the skull, facial bones and paranasal sinuses. Labs will enable the student to become familiar with positioning using the x-ray machine. The student will explore in greater detail; pediatric radiographic positioning. Principles of radiation safety with emphasis on protection of the technologist and patient will be stressed. Radiographic images will be evaluated for anatomy and positioning. (Prerequisites: RADT2601, RADT2611, RADT2617) (3 credits: 1 lecture/2 lab)

B. COURSE EFFECTIVE DATES: 06/16/2009 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Successfully perform radiologic procedures of the femur, pelvis, spine and bony thorax
2. Successfully perform radiologic procedures of the skull, facial bones, and sinuses
3. Explore routine radiographic positioning of pediatric patients

D. LEARNING OUTCOMES (General)

1. Describe standard positioning terms and general considerations
2. Discuss patient considerations when performing radiologic procedures
3. Simulate radiographic procedures on a person or phantom in a laboratory setting
4. Explain radiographic procedures to patients/family members
5. Apply general radiation safety & protection practices associated with radiologic examinations
6. Perform radiologic procedures of the spine
7. Identify radiographically significant spinal anatomy
8. Evaluate radiographic spinal image quality
9. Perform radiologic procedures on the bony thorax
10. Identify radiographically significant bony thorax anatomy
11. Evaluate radiographic bony thorax image quality
12. Perform radiologic procedures on the skull, sinuses, and facial bones
13. Identify radiographically significant skull, sinus, and facial bone anatomy
14. Evaluate radiographic skull, sinuses, and facial bones for image quality
15. Explore routine radiographic positioning of pediatric patients
16. Explore alternative methods of radiographic positioning on pediatric patients
17. Describe imaging procedures on trauma patients

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted