

Minnesota State College Southeast

RADT 2635: Radiographic Pathology

A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 1

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:

This course requires all six of these prerequisites

RADT 2605 - Radiographic Imaging 1

RADT 2625 - Radiographic Positioning and Procedures 2

RADT 2630 - Radiographic Imaging 2

RADT 2601 - Introduction to Radiologic Sciences

RADT 2617 - Clinical Practicum 1

RADT 2611 - Radiographic Positioning and Procedures 1

Corequisites: None

MnTC Goals: None

This online course introduces the radiography student to disease processes and their effect on the human body. Radiographic pathologic correlation is emphasized. All of the major body systems are presented. Researching and writing a paper is a requirement for this class. (Prerequisites: RADT2601, RADT2605, RADT2611, RADT2617, RADT2625, RADT2630) (Prerequisite or concurrent: RADT2641) (1 credit: 1 lecture/0 lab)

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

C. OUTLINE OF MAJOR CONTENT AREAS

1. Define pathology and the manifestations, conditions, complications, & diagnosis
2. Identify the radiographic appearance of selected pathologies

D. LEARNING OUTCOMES (General)

1. Define basic terms and definitions related to pathology
2. Determine disease classifications, including etiology, definition, examples, sites, complications and prognosis
3. Determine the basic causes of disease, the radiographic manifestations of pathological conditions and their relevance to radiological procedures, and identify them on medical images
4. Compare the classifications of pathology related to site, complications, and prognosis
5. Compare the causes and process of tissue disruption
6. Show complications connected with the repair and replacement of tissue
7. Characterize the classifications of disease by body part systems and the radiology procedures and technical considerations for each type
8. Identify the radiographic appearance of selected pathologies and their additive or destructive nature
9. Examine the relationship of genetics to disease
10. Define appropriate imaging modalities based on the disease process

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted