COURSE INFORMATION FORM

DISCIPLINE: Radiologic Technology
COURSE TITLE: Radiographic Procedures II

CR.HR: 3.0  LECT HR: 2.5  LAB HR: 1.0  CLIN/INTERN HR: 1.0  CLOCK HR: 0

CATALOG DESCRIPTION
Anatomy, radiographic procedures, patient positioning and image evaluation of the lower limb, pelvis, bony thorax, vertebral column and cranium.

PREREQUISITES
RATE 165, RATE 172, RATE 173 with a grade of C or better and concurrent enrollment in RATE 174 and RATE 175

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:
1. Identify and describe the anatomy of the lower limb, pelvis, bony thorax, vertebral column and cranium.
2. Simulate radiographic procedures of the lower limb, pelvis, bony thorax, vertebral column and cranium, on a person or phantom, in a laboratory setting demonstrating: proper use of contrast media, supplies, equipment and positioning aids; procedure modifications to meet patient needs; general radiation safety and protection practices; effective patient communication and education; and professional standards of practice.
3. Synthesize and demonstrate specific procedural considerations for performing radiographic examinations of the lower limb, pelvis, bony thorax, vertebral column and cranium.
4. Determine the structures demonstrated on routine radiographic procedures of the lower limb, pelvis, bony thorax, vertebral column and cranium.
5. Evaluate images of lower limb, pelvis, bony thorax, vertebral column and cranium for positioning, centering, appropriate anatomy and overall image quality.
6. List and differentiate images of the lower limb, pelvis, bony thorax, vertebral column and cranium.

GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes  ESO

NA
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES

Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

- Be workforce ready, demonstrating competence in the entry level skills of the profession
- Communicate effectively and appropriately
- Think critically and apply problem solving skills

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written examinations (1, 3, 4, 5, 6)
2. Laboratory simulation and practicals (1, 2, 3, 4, 5, 6)
3. Image evaluation reports (1, 3, 4, 5, 6)
4. Radiographic image and anatomy identification activities (1, 4, 6)
5. Workbook exercises (1, 3, 4, 5, 6)
6. Role-playing (2, 3, 4)
7. Classroom discussions (1, 3, 4, 5, 6)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Lower limb
   A. Anatomy
   B. Lower limb Radiographic procedures
      1. General considerations
      2. Special considerations
   C. Image Evaluation

II. Pelvis
   A. Anatomy
   B. Radiographic procedures
      1. General considerations
      2. Special considerations
   C. Image Evaluation

III. Bony thorax
   A. Anatomy
   B. Radiographic procedures
      1. General considerations
      2. Special considerations
   C. Image Evaluation

IV. Vertebral column
   A. Anatomy
   B. Radiographic procedures
      1. General considerations
      2. Special considerations
   C. Image Evaluation

V. Cranium
   A. Anatomy
   B. Radiographic procedures
      1. General considerations
      2. Special considerations
   C. Image Evaluation