COURSE INFORMATION FORM

DISCIPLINE  Radiologic Technology
COURSE TITLE  Fundamentals of Radiologic Technology
CR.HR  2  LECT HR.  2  LAB HR.  CLIN/INTERN HR.  CLOCK HR.  

CATALOG DESCRIPTION
Overview of the foundations of radiologic technology. Topics related to the health care environment, health information management, basic patient interactions, body mechanics, patient transportation and radiographic terminology will be explored.

PREREQUISITES
Admission into the Radiologic Technology program

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:
1. Discuss careers within the radiologic sciences.
2. Describe the health care environment and health care team.
3. Chart overall hospital and radiology department organization.
4. Summarize the roles, rules and regulations regarding accrediting, credentialing and regulatory agencies.
5. Explain HIM and HIPAA as they relate to medical imaging practices.
6. Summarize and demonstrate proper body mechanics and patient transfers.
7. Summarize and utilize standard radiographic terminology.
8. Identify, locate and classify bones and articulations of the human body.
9. Discuss expectations, policies, procedures, rules and regulations of the radiologic technology program.

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
3. Life-Long Learning
   C. Attributes of an Awareness of the Convergence of Knowledge
      3. Synthesize information to facilitate application (6,7)
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.

2. Students will communicate effectively in both oral and written formats.
4. Students will exhibit professional growth and seek new knowledge

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 (1-9)
2. Role-playing (5, 6)
3. Classroom discussions (1-9)
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. Medical Imaging careers
   A. Diagnostic radiography
   B. Computed tomography
   C. Mammography
   D. Magnetic resonance imaging
   E. Cardiac interventional
   F. Vascular interventional
   G. Bone densitometry
   H. Quality management
   I. Sonography
   J. Nuclear medicine
   K. Radiation therapy
   L. PACs
   M. Education
   N. Management
   O. Applications

II. The health care environment

III. Hospital and radiology organization

IV. Accreditation, credentialing and regulation
   A. Program and institutional accreditation
      1. JRCERT
      2. JCAHO
      3. ACR
      4. NCA
   B. Credentialing Bodies
      1. ARRT
      2. NMTCB
      3. ARDMS
      4. State licensure
   C. Regulatory agencies
      1. Federal
      2. State

V. Health information management and HIPAA

VI. Patient transfer and movement
    A. Body mechanics
    B. Transfer techniques

VII. Radiographic terminology

Revised 5/3/11
A. Standard terms
B. Positioning terms
C. General surfaces, lines, planes and cavities
D. Movement terms
E. Relationship terms

VIII. The skeletal system
A. Osteology
B. Arthrology

IX. The MCC-Penn Valley radiologic technology program