COURSE INFORMATION FORM

DISCIPLINE
Radiologic Technology

COURSE TITLE
Patient Care

CR.HR 3 LECT HR 3 LAB HR CLIN/INTERN HR CLOCK HR

CATALOG DESCRIPTION
Patient care and management concepts and practice in the radiologic sciences.

PREREQUISITES
RATE 160

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:

1. Compare cultural and societal differences as they apply to providing and receiving health care.
2. Discuss and use the various methods of patient interactions.
3. Synthesize and demonstrate patient monitoring, assessment, support and care.
4. Summarize and apply infection control procedures and aseptic techniques.
5. Identify medical emergencies and demonstrate the appropriate medical response.
6. Compare and contrast medical ethics and medico legal issues related to radiologic sciences.
7. Explain pharmacology and contrast media agents relevant to radiography.
8. Summarize and apply the principles of age appropriate patient care in radiography.

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.

<table>
<thead>
<tr>
<th>Outcomes</th>
<th>ESO</th>
</tr>
</thead>
<tbody>
<tr>
<td>7. Awareness of social, political, and behavioral environments</td>
<td></td>
</tr>
<tr>
<td>B. Explain social institutions, structures, and processes across a range of historical periods and cultures</td>
<td>(1)</td>
</tr>
</tbody>
</table>

Revised 5/3/11
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.

4. The student 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 (1-8)
2. Role playing (1-6, 8)
3. Workbook exercises (8)
4. Classroom discussions (1-8)
5. Demonstrations (2-5, 8)
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. Human diversity
   A. Values
   B. Culture, ethnicity, and diversity

II. Patient interactions
   A. Verbal communication
   B. Non verbal communication
   C. Cultural communication variations
   D. Communication challenges
   E. Patient identification methods
   F. Obtaining a patient history
   G. Explaining procedures to the patient

III. Immobilization techniques
   A. Purpose
   B. Types
   C. Application
   D. Devices

IV. Patient monitoring and support
   A. Assessing patient status
   B. Vital signs
      1. Temperature
      2. Pulse
      3. Respiration
      4. Blood pressure
   C. Oxygen administration
   D. Tubes, catheters, lines and collection devices

V. Infection control
   A. Terminology
   B. Bacteria
   C. Viruses
   D. Fungi
   E. Protozoa
   F. Establishment of infectious disease
   G. Standard precautions
   H. Transmission based precautions

VI. Asepsis
   A. Medical
B. Surgical
   1. Methods of sterilization
   2. Sterile fields
   3. Surgical scrubbing
   4. Sterile trays/packs
   5. Sterile gloving
   6. Sterile procedures
C. Non-aseptic procedures

VII. Medical emergencies
   A. Terminology
   B. Equipment
   C. Head injuries
   D. Shock
   E. Diabetic crises
   F. Respiratory distress
   G. Cardiac arrest
   H. CVA
   I. Fractures
   J. Minor emergencies
      1. Nausea and vomiting
      2. Epitaxis
      3. Vertigo and syncope
      4. Seizures
      5. Falls
      6. Wounds

VIII. Pharmacology
   A. Drug nomenclature
   B. Drug classification
   C. Dosage forms
   D. Drug response factors
   E. Adverse drug effects
   F. Routes of drug administration

IX. Contrast media
   A. Purpose/usage
   B. Types
      1. Negative contrast media
      2. Positive contrast media
         1. Barium
         2. Oral iodine
         3. Injectable iodine
   C. Contraindications
   D. Side effects and reactions

X. Ethics
   A. Ethical theories
   B. Values in medical ethics
   C. Professional etiquette
   D. Professional image

XI. Medicolegal issues
   A. Exam orders
B. Torts
   1. Intentional misconduct
      1. Assault
      2. Battery
      3. Invasion of privacy
      4. Defamation
      5. False imprisonment
   2. Unintentional misconduct
   3. Consent

XII. Patient care across the age continuum
   A. Infant
   B. Toddler
   C. Preschooler
   D. School aged
   E. Adolescent
   F. Young adult
   G. Middle aged
   H. Geriatric patients