New Course Request

Check Appropriate Boxes: Undergraduate credit ☑

Graduate credit ☐

Professional credit ☐

1. School/Division: College of Health and Human Services
   Academic Subject Code: ____________________________

2. Course Number: RADX-R106 (must be cleared with University Enrollment Services)

3. Course Title: Fundamentals of Patient Care for Medical Imaging

   Recommended Abbreviation (Optional): Patient Care

   (Limited to 32 Characters including spaces)

4. Instructor: Radiography faculty

   First time this course is to be offered (Semester/Year): Fall 2011

   Credit Hours: Fixed at _______ or Variable from _______ to _______

   Is this course to be graded S-F (only)? Yes ☑ No ☐

   Is variable title approval being requested? Yes ☐ No ☑

   Course description (not to exceed 50 words) for Bulletin publication:
   Concepts in patient care including the physical and psychological needs of the patient and the radiographer's role in patient assessment and education. Infection control, sterile techniques, body mechanics, immobilization and vital signs will be incorporated through lecture and practice exercises.

   Lecture Contact Hours: Fixed at _______ or Variable from _______ to _______

   Non-Lecture Contact Hours: Fixed at _______ or Variable from _______ to _______

   Estimated enrollment: _______ of which _______ percent are expected to be graduate students.

   Frequency of scheduling: yearly ☑ Will this course be required for majors? Yes ☑

   Justification for new course: content currently incorporated in clinical course. Depth of content requires independent course.

   Are the necessary reading materials currently available in the appropriate library? Yes ☑

   Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials.

   If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant.

   A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by: Ann M. Oberfell Date 2/11/11

Dean Department Chairman/Division Director Date __________

Dean of Graduate School (when required) Date __________

Approved by:

Date __________

Dean

Date __________

Chancellor/Vice-President

Date __________

University Enrollment Services

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.
COURSE TITLE: FUNDAMENTALS OF PATIENT CARE FOR MEDICAL IMAGING

COURSE NUMBER: RADX-R106

CLASS DAYS AND TIMES:

INSTRUCTOR: Lisa Schaefer, M.B.A., RT (R)

CONTACT INFORMATION:

OFFICE NUMBER:

OFFICE HOURS:

Course description: Concepts in patient care including the physical and psychological needs of the patient and the radiographer’s role in patient assessment and education. Infection control, sterile technique, body mechanics, immobilization and vital signs will all be incorporated through lecture and lab experiences.

COURSE GOALS AND OBJECTIVES:

Upon completion of the course, the student will be able to:

1. Evaluate the physical and psychological needs of the patient including identifying patient safety and age specific requirements.

2. Describe the infection control process including proper precautions.

3. Identify disease transmission-based precautions, type of protective barriers and proper technique for radiographer and patient safety.

4. Demonstrate proficiency in acquiring vital signs and identify abnormal conditions.

5. Explain the concepts of oxygen administration and indications for hypoxia.

6. Identify the different types of tubes, catheters, tissue drains, and IVs and describe the proper care of each.

7. Demonstrate patient transfer techniques utilizing proper body mechanics

TEXT REQUIRED:

Torres/Dutton/Linn-Watt; Patient Care in Imaging Technology, 7th Ed., Lippincott Publishing.
METHOD OF EVALUATION:

Grading Scale:

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<th>Percentage Range</th>
<th>Grade</th>
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<tr>
<td>99%-100%</td>
<td>A+</td>
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<tr>
<td>95%-98%</td>
<td>A</td>
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<tr>
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<tr>
<td>73%</td>
<td>D-</td>
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Grade Calculations:
60% for Unit Tests
15% Quizzes/ Assignments/ Journaling
25% Lab practicals

COURSE OUTLINE:

The course content follows the nationally recognized curriculum for Radiography published by the American Society of Radiologic Technologists as is required for program accreditation. The course utilizes both lecture and lab.

I. Patient Interactions
   - Effective communication with patient and care giver
   - Types of patients
   - Age appropriate care
   - Death and dying

II. Patient Assessment
   - Data Collection Process
   - Interview Techniques
   - Clinical History
   - Procedural indications and contraindication
   - Documentation

III. Transfer Techniques
   - Body Mechanics
   - Principles of lifting and transfer
   - Patient and radiographer injury prevention
IV. Immobilization
   - Communication
   - Routine application of restraint
   - Special application of restraint
   - Age appropriate restraint
   - Legal implication related to restraint

V. Vital Signs and Oxygen
   - Body Temperature
   - Respiratory Rate
   - Pulse
   - Blood Pressure
   - Oxygen Therapy
   - Oxygen Devices
   - Chest Tubes and Lines

VI. Infection Control
   - Microbes
   - Establishment of infectious disease
   - Chain of infection
   - Nosocomial infection
   - Environmental control

VII. Aseptic and Non-aseptic Technique
   - Sterile Draping
   - Sterile Gown and Glove
   - Sterile Procedures
   - Nasogastric Tubes
   - Colostomies