**Division:** Health Professions & Nursing

**Instructor Information:**

- **Name:** Shellie Son
- **Office:** MHSB 224
- **Office hours:** Mon/Wed 8:00 am – 11:00 am
- **Telephone:** (208) 676-7133 (Office)
- **E-mail:** Shellie_Son@nic.edu

**Course Information:**

- **Course Number:** RADT 295
- **Course Days/times:** Per Clinical Schedule
- **Credits:** 11.0  
  **Hours per week:** 495 clinical
- **Prerequisites:** RADT 290 with a grade of C or higher

**Textbooks:**  
**Required:**

- Patient Care in Radiography, with an introduction to medical imaging: Ehrlich, McCloskey, & Daly; Mosby Publishing: 6th Ed., 2004
- Radiography Exit Examination (online, purchased through the Division of Health Professions & Nursing)

**Supplies:**  
Markers for image identification, Uniforms
Course Description:

RADT 295 is the final course in clinical education for the radiography technology program. Students will be supervised in rotations through diagnostic areas. Students will perform increasingly more difficult radiologic examinations on patients under direct supervision of a technologist until competency has been achieved. Rotations may include the emergency room, mobile radiography, surgery, fluoroscopy, outpatient imaging, interventional procedures, and computed tomography (CT). Students will rotate through a variety of diagnostic and treatment settings.

Course Outcomes:

At the completion of this course, the student will:

1. Produce high quality radiographic examinations with minimal supervision. The images must be produced efficiently by means of appropriate positioning and technical factors with the lowest radiation exposure possible.

2. Perform routine diagnostic exams of the entire body including the skull using a variety of x-ray equipment,

3. Demonstrate abilities in advanced procedures including: radiography during surgery, genitourinary studies, and gastrointestinal examinations,


5. Demonstrate competency of radiation protection for the patient and technologist.

6. Demonstrate the use of effective communication with patients, the public, and members of the health care team in a variety of settings.

7. Demonstrate understanding of basic imaging principles in specialized areas of radiology.

Assessment of Outcomes:

Students will demonstrate achievement of the course outcomes by satisfactorily completing clinical exam competencies throughout the semester.

General Education Abilities this course emphasizes:

Critical/Creative Thinking and Problem Solving
Communication
Mathematical, Scientific, and Symbolic Reasoning

Clinical Practicum Attendance:

Attendance is mandatory. One absence due to illness or circumstance beyond the student’s control is allowed without consequence. For absences: the student must notify the Director of Radiography and Clinical Coordinator at least one-half hour prior to the clinical start time and notify the clinical site, if possible. The student must make arrangements with the Clinical Coordinator for any make up clinical time dependent upon space available. See the Radiography Student Handbook for policy on additional
absences. Any changes to the schedule or clinical site must be verified with the Clinical Coordinator or Director. Students remaining at the clinical site beyond the scheduled hours must have prior approval by the Clinical Coordinator or Director (the exception to this is if the student is finishing up a procedure).

**Methods of Instruction:**

Class is set up as a clinical practicum with clinical exam and area competencies required.

**Policy on Academic Dishonesty:**

Please refer to the NIC Student Handbook. Dishonesty of any type will not be tolerated. Students who violate the academic dishonesty policy may receive an F for the course.

**Evaluation:**

A. Completion of remaining Exam and Patient Care Competencies (for a total of 57),

B. Completion of 15 Continued Exam Competencies. Less than the 15 Continued Exam Competencies will result in a grade reduction of two percent for each uncompleted competency,

C. Completion of Area Competency General Diagnostic 3, completion of any remaining Area Competencies which may include: Surgery, Fluoroscopy, Trauma/Emergency Room (ER), and Computed Tomography (CT), (or may be completed in 4th semester),

D. Completion of Area Competency General Diagnostic 3, completion of any remaining Area Competencies which may include: Surgery, Fluoroscopy, Trauma/Emergency Room (ER), and Computed Tomography (CT), (or may be completed in 4th semester),

E. Completion of Student Performance Evaluation,

F. Image evaluation,

G. Passing the Radiology Exit Examination with a 75% or higher (this test can be retaken and includes personalized remediation materials),

G. Assignment of final letter grade is based upon the following criteria:

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Competencies</td>
<td>40%</td>
</tr>
<tr>
<td>Continued Exam Competencies</td>
<td>10%</td>
</tr>
<tr>
<td>Area Competencies</td>
<td>20%</td>
</tr>
<tr>
<td>Student Performance Evaluations</td>
<td>20%</td>
</tr>
<tr>
<td>Image Evaluation</td>
<td>10%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

**Note:** In order to achieve a successful Exam and Patient Care Competency you must receive a score of 2.0 or higher.

A 2.0 semester average on Competencies and Performance Evaluations is required to pass the course with a grade of C or better. If a 2.0 is not achieved, the Competencies and Student Performance Evaluations will be converted to a letter grade and recorded as the course grade and no other course requirements will be included in the grade calculation.

Students are expected to complete the required competencies during the scheduled clinical hours. Any extenuating circumstances will be handled on a case by case basis.
Area Competencies: students must complete the General Diagnostic Radiography 3 Area Competency – no exceptions. Additional Area Competencies of Surgery, Fluoroscopy, Trauma/Emergency Room (ER) may be completed in either this semester or the previous summer semester.

Time sheets and log sheets are to be submitted according to the posted schedule.

Students may have a 4 day optional rotation (upon space available) in either routine diagnostic radiography, nuclear medicine, ultrasound, mammography, radiation therapy, computed tomography (CT), magnetic resonance imaging (MRI), bone densitometry, Interventional procedures, and cardiovascular laboratory if the student has the majority of competencies completed (85%) and has met acceptable performance evaluations and progress reports.

Grading scale is as outlined below:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Score Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3.8 - 4.0</td>
</tr>
<tr>
<td>A-</td>
<td>3.6 - 3.7</td>
</tr>
<tr>
<td>B+</td>
<td>3.3 - 3.5</td>
</tr>
<tr>
<td>B</td>
<td>3.0 - 3.2</td>
</tr>
<tr>
<td>B-</td>
<td>2.7 - 2.9</td>
</tr>
<tr>
<td>C+</td>
<td>2.3 - 2.6</td>
</tr>
<tr>
<td>C</td>
<td>2.0 - 2.2</td>
</tr>
<tr>
<td>C-</td>
<td>1.7 - 1.9</td>
</tr>
<tr>
<td>D+</td>
<td>1.3 - 1.6</td>
</tr>
<tr>
<td>D</td>
<td>1.0 - 1.2</td>
</tr>
<tr>
<td>D-</td>
<td>0.7 - 0.9</td>
</tr>
<tr>
<td>FAIL</td>
<td>0.6 - Below</td>
</tr>
</tbody>
</table>

Clinical schedule: TBA

Student Responsibilities
http://www.nic.edu/handbook2007.pdf#page=34

Center for Educational Access/Disability Support Services

Course Withdrawal Information
http://www.nic.edu/catalog/2008-09/academic+registration.pdf

Non-payment Information
www.nic.edu/costs

Course Incomplete Information
www.nic.edu/catalog/2008-09/academic+registration.pdf#page=3

Final Exam Schedule
http://www.nic.edu/Websites/index.asp?dpt=49&pageID=1311