SPECIAL NOTE:
This brief syllabus is not intended to be a legal contract. A full syllabus will be distributed to students at the first class session.

TEXT AND SUPPLEMENTARY MATERIALS USED IN THE COURSE (if any):
Please check with the LCC bookstore http://www.labette.edu/bookstore for the required texts for this class.

COURSE NUMBER: RADI 204
COURSE TITLE: CLINICAL TRAINING IV
SEMESTER CREDIT HOURS: 3
DEPARTMENT: Radiography
DIVISION: Health Science
PREREQUISITE: RADI 149 Clinical Training III
REVISION DATE: 5/2012

COURSE DESCRIPTION:
Emphasis is placed on skull radiography, trauma radiography, mobile and surgical radiography, pediatric radiography and Computed tomography procedures. 24 hours per week for 16 weeks.

COURSE OUTCOMES AND COMPETENCIES:
Students who successfully complete this course will be able to:

1. Comprehend body section radiography and tomography.
   - Completely assemble appropriate tomographic accessories in accordance with manufacturer's instructions.
   - Utilize the tomographic/radiographic unit to obtain diagnostic quality tomograms.
   - Describe the purpose of body section radiography and tomography in its various forms, including the advantage(s) of each type.
2. Comprehend mobile and surgical radiography.
   - Utilize rules of body mechanics for the safety of both patient and technologist.
   - Provide the necessary radiation protection while performing bedside or surgical radiographic procedures.
   - Choose exposure factors specific to mobile and surgical procedures.
   - List the types of portable radiographic units.
   - Appreciate the effects of geometry on portable and surgical radiography.
   - Select appropriate accessories to improve image quality.

3. Comprehend Cranial and Calvarium Radiography.
   - Perform routine skull radiography.
   - Perform routine facial radiography.
   - Perform routine sinus radiography.
   - Perform other miscellaneous cranial procedures.

4. Comprehend the procedures/tests used to maintain quality control.
   - Check the lead aprons and gloves for damage.
   - Perform tests to determine screen/film contact.
   - Assess cost of radiographic equipment and accessories.
   - Prepare reject analysis report.

5. Demonstrate proper quality assurance procedures.
   - Demonstrate knowledge of isolation precautions.
   - Check the drug box contents, dates, and documentation of pharmaceutical supplies.
   - Identify the reasons for rescheduling or canceling examinations.
   - Documentation of contrast media used, how much, time, if a reaction what kind, etc.
   - Access the appropriate use of diagnostic procedures.
   - Assure that correct clinical information is provided for the examination ordered.

6. Perform/assist in the radiography department.
   - Evaluate requisitions.
   - Prepare radiographic rooms.
   - Develop good patient rapport.
   - Position patients for radiographic examinations.
   - Manipulate radiographic equipment.
   - Protect patients from excessive radiation.
   - Process diagnostic images.
   - Perform fluoroscopic examinations.
   - Perform mobile radiographic procedures.
7. Analyze finished diagnostic images.

- Analyze finished images for the following:
  - Proper patient identification.
  - Proper technologist identification "R" or "L" markers.
  - Proper position of the part to the image receptor.
  - Proper exposure factors.
  - Evidence of radiation protection (collimation).