

LABETTE COMMUNITY COLLEGE BRIEF SYLLABUS

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.

<u>COURSE NUMBER:</u>	RADI 204
<u>COURSE TITLE:</u>	CLINICAL TRAINING IV
<u>SEMESTER CREDIT HOURS:</u>	3
<u>DEPARTMENT:</u>	Radiography
<u>DIVISION:</u>	Health Science
<u>PREREQUISITE:</u>	RADI 149 Clinical Training III
<u>REVISION DATE:</u>	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).