

## 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.

<b><u>COURSE NUMBER:</u></b>	RADI 119
<b><u>COURSE TITLE:</u></b>	CLINICAL TRAINING I
<b><u>SEMESTER CREDIT HOURS:</u></b>	3
<b><u>DEPARTMENT:</u></b>	Radiography
<b><u>DIVISION:</u></b>	Health Science
<b><u>PREREQUISITE:</u></b>	RADI 103 Radiographic Procedures I
<b><u>REVISION DATE:</u></b>	7/2011

### **COURSE DESCRIPTION:**

This portion of clinical training is used to acquaint the learner with the organization and function of health care facilities. In addition, the learner will observe and assist a practicing radiographer to appreciate both the ethical and technical responsibilities associated with radiologic technology. 24 hours a week for 16 weeks, for a total of 384 hours of clinical training.

### **COURSE OUTCOMES AND COMPETENCIES:**

**Students who successfully complete this course will be able to:**

1. Comprehend the organization of a health care facility as it pertains to the radiology department.
  - Identify the health care facility's chief executive officer.
  - Identify the radiologists.
  - Identify the radiology manager.
  - Identify the supervising technologists of the radiology department.
  - Identify the clinical instructor.
  - Review the health care facility's organizational chart.

2. Explain the functions of the various areas within the Radiology Department.

- Locate each of the major sections within the Radiology Department.
- List the various areas located within the Radiology Department.
- Differentiate ultrasound from radiography.
- Differentiate nuclear medicine from radiography.
- Differentiate radiation therapy from radiography.
- Differentiate magnetic resonance from radiography.
- Differentiate computerized tomography from radiography.

3. Assist with the procedures related to the radiology office.

- Answer the telephone in a professional manner.
- File radiology reports.(if applicable)
- File radiographic film .(if applicable)
- Locate radiology records
- Assemble/dispatch radiology records

4. Discuss the major types of radiographic equipment found in the radiology department.

- Describe the radiographic units in each of the radiographic rooms.
  - List the radiographic accessories found in each of the radiographic rooms.
- State/locate the following characteristics of a radiographic tube in the radiology department:

- Focal spot size
- Collimator controls
- Filtration
- State/locate the following parts of a radiographic table in the radiology department:
- Bucky apparatus
- Table travel control
- Foot stand

State/locate the following controls on a radiographic control panel:

- MA meter
- MAS meter
- KVP selector
- Voltage indicator
- Voltage compensator
- Automatic exposure control

5. Observe and assist a practicing radiographer.

- Evaluate requisitions.
- Prepare a radiographic room.
- Transport patients.
- Develop good patient rapport.
- Practice good patient care.
- Position patients.
- Manipulate equipment.
- Protect patients from radiation.
- Process radiographic film.
- Perform fluoroscopic procedures.

6. Observe and assist in maintaining a radiographic room.

- Perform the procedures used to keep equipment clean.
- Locate the types/sizes of cassettes.
- Locate the emergency cart.
- Identify/locate radiographic accessories; i.e., Sponges, adhesive tape, contrast media and linens.
- Operate accessory equipment; i.e., oxygen and suction.
- Procure linens and gowns.

7. Assist with analyzed finished radiographs.

- Proper patient identification.
- Proper technologist identification "R" or "L" markers.
- Proper position of the part to the film.
- Proper exposure factors.
- Evidence of radiation protection (collimation).

8. Demonstrate Skill level in the following.

- Procedure Competency: 5 Competencies turned into clinical coordinator.
- Clinical Performance: monthly evaluation graded by clinical instructor.
- Clinical Retention: clinical training checklist completed by student clinical instructor.