

## 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.

**COURSE NUMBER:**                      RADI 213

**COURSE TITLE:**                        RADIOGRAPHIC PATHOPHYSIOLOGY

**SEMESTER CREDIT HOURS:**    2

**DEPARTMENT:**                        Radiography

**DIVISION:**                             Health Science

**PREREQUISITE:**                        Entrance into sophomore year of Radiography Program

**REVISION DATE:**                      4/2013

### **COURSE DESCRIPTION:**

Study of pathologies and their effects on the anatomy, physiology, and radiography of the human body.

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

**Students who successfully complete this course will without reference and with 86% accuracy be able to:**

1. Discriminate between normal and pathological anatomy and physiology, as evidenced by patient histories, radiographic examinations, and physician diagnosis.
  - Identify pathology when it arises on radiographs
  - Compare a normal to an abnormal radiograph and point out the differences
  - Read history and be able to identify the warning signs.
  - Read doctors' orders and comprehend and understand the symptoms and special instructions if needed.
  
2. Assess how pathology affects patient condition, and be able to modify patient care accordingly.
  - Adjust technique due to condition
  - Identify the condition

- Use proper patient care measures after condition is identified.

3. Implement appropriate modifications to positioning and technical factors when performing radiographic examinations on patients with certain pathologies.

- Modify positioning skills according to each patient and the condition that each patient has.
- Knowledge of special views that pertain to each situation or condition.

4. Critically evaluate radiographs for positioning and exposure factors, to ensure optimal demonstration of pathologies present.

- Evaluate own radiographs and be able to make adjustments as needed.
- Determine what exposure factors need to be adjusted to radiographs.

5. Describe the pathologies of each body system and be able to describe its effects on the anatomy and physiology of the situation.

- Introduction to Pathology
- Respiratory System
- Skeletal System
- Gastrointestinal System
- Urinary System
- Cardiovascular System
- Reproductive System
- Miscellaneous Diseases

6. Create storyboard with presentation.

- The student will choose pathology
- Research information pertaining to pathology
- Each student must follow the assigned guidelines given in the class for the assignment
- The presentation must consist of handouts for the class, an oral