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 219
COURSE TITLE: IMAGE ANALYSIS
CREDIT HOURS: 2
DEPARTMENT: Radiography
DIVISION: Health Science
PREREQUISITE: Entrance into sophomore year of Radiography program
REVISON DATE: 12/2011

COURSE DESCRIPTION:
Will provide a basis for analyzing radiographic images. Including the importance of imaging standards, discussion of a problem-solving technique for image evaluation and factors that can affect image quality.

COURSE OUTCOMES & COMPETENCIES:
Students who successfully complete this course will without references and with 86% accuracy be able to:

1. Understand and apply Imaging Standards
   - Purpose
   - Problem-solving process
   - Role of the radiographer
   - Establishing acceptable limits

2. Identify Image Appearance Characteristics
   - Density/Brightness
   - Contrast
   - Recorded detail/spatial resolution
   - Distortion
3. Apply, Understand, and Demonstrate Procedural Factors

- Image Identification
- Documentation of ordered exam
- Positioning
- Centering
- Exposure Index
- Radiation Protection
- Patient Preparation

4. Be able to apply Corrective Actions

- Equipment
- Technical Factors
- Procedural Factors
- Artifacts