

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 219
<u>COURSE TITLE:</u>	IMAGE ANALYSIS
<u>CREDIT HOURS:</u>	2
<u>DEPARTMENT:</u>	Radiography
<u>DIVISION:</u>	Health Science
<u>PREREQUISITE:</u>	Entrance into sophomore year of Radiography program
<u>REVISION DATE:</u>	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