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](http://www.labette.edu/bookstore) for the required texts for this class.

**COURSE NUMBER**: RADI 115

**COURSE TITLE**: PATIENT CARE AND PHARMACOLOGY IN RADIOGRAPHY

**CREDIT HOURS**: 3

**DEPARTMENT**: Radiography

**DIVISION**: Health Science

**PREREQUISITE**: RADI 109 Patient Care in Radiography I

**REVISION DATE**: 4/2013

**COURSE DESCRIPTION**: Designed to provide basic concepts of pharmacology. The theory and practice of basic techniques of venipuncture and administration of diagnostic contrast agents and/or intravenous medications. The appropriate delivery of patient care during these procedures will be emphasized.

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

1. Describe, distinguish, classify, and explain the actions and effects of select drugs
   - Distinguish between the chemical, generic, and trade names of select drugs
   - Classify drugs according to specific categories
   - Explain the actions of select drugs
   - Explain the uses of select drugs.
   - Explain the side effects of select drugs
   - Explain the effects of select drugs on medical imaging procedures.
   - Describe the 5 Rights of Drug Safety.

2. Understand the purpose of contrast media, the various types used in radiology, and the methods and techniques used in administering contrast media.
   - Identify the contrast media and the prep used for specific exams
• Compare negative and positive contrast media
• Be able to distinguish between the different types of compounds.
• Describe the beam attenuation characteristics of contrast media

3. Demonstrate correct techniques for intravenous drug administration by identifying, describing, and documenting all intravenous drug therapies and drug calculations.
   • Demonstrate appropriate venipuncture technique.
   • Describe the different drug administration routes.
   • Identify, describe, and document complications and appropriate actions to resolve.
   • Apply aseptic technique to all intravenous injections.

4. Understand the liabilities of the radiographer and the legal and ethical roles in drug administration.
   • Explain and understand current legal and ethical issues a radiographer may encounter
   • Explain a radiographer’s professional liabilities concerning drug administration
   • Understand the current practice status
   • Understanding current state statutes.