

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 115
<u>COURSE TITLE:</u>	PATIENT CARE AND PHARMACOLOGY IN RADIOGRAPHY
<u>CREDIT HOURS:</u>	3
<u>DEPARTMENT:</u>	Radiography
<u>DIVISION:</u>	Health Science
<u>PREREQUISITE:</u>	RADI 109 Patient Care in Radiography I
<u>REVISION DATE:</u>	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 radiographers professional liabilities concerning drug administration
- Understand the current practice status
- Understanding current state statutes.