

HITP-160 PHARMACOLOGY & LAB PROCEDURES 3 CREDITS

SYLLABUS

CATALOG DESCRIPTION

This course is designed specifically for allied health majors to enable them to obtain a basic knowledge and understanding of clinical and diagnostic laboratory tests as performed in the acute care setting and the basics of pharmacology. Learners will identify the classification, uses and action of the most commonly prescribed drugs for conditions affecting each body system. Information is presented using appropriate medical and health terminology so that students at all levels continue to be exposed to the language of the healthcare environment.

Prerequisites: Faculty Permission Required

Semester Offered: (ALL) Fall Spring, & Summer

COMMON STUDENT LEARNING OUTCOMES

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...

BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

COURSE LEARNING OUTCOMES

Upon successful completion of the course, the student will be able to...

1. Briefly describe the purpose of and the structures examined by each laboratory and diagnostic test.
2. Discuss the indications and contraindications for each laboratory and diagnostic test.
3. Categorize laboratory tests as physical, chemical, or microscopic examinations.
4. Identify categories of blood chemistry tests presented.
5. Organize laboratory and diagnostic tests by diagnosis, disorder, or disease.
6. Explain how laboratory and diagnostic tests are performed.
7. List several routes of drug administration and describe their advantages and disadvantages.
8. List the steps of the drug cycle and explain how a drug is affected or changed during each step.
9. Describe the pharmacologic action of common drugs within the major drug categories used to treat each body system.