Catalog Description: This course is designed to provide the nursing student with a sound basis for the clinical application of pharmacology. The basics of core drug knowledge, including pharmacotherapeutics, pharmacodynamics and pharmacokinetics, and patient-related variables affecting pharmacotherapy will be presented. Emphasis will be placed on learning drug classifications by categories affecting various body systems and disease states. Legal aspects of drug administration, including nursing safeguards will be included. Prerequisites: Satisfactory completion of general education and science course requirements for the nursing major. Co-requisite: NURS 201 - Foundations of Associate Degree Nursing.

Prerequisites/Corequisites: Satisfactory completion of general education and science course requirements for the nursing major. Co-requisite: NURS 201 - Foundations of Associate Degree Nursing.


Course Objectives: 1. Define basic pharmacologic terms.
2. Describe basic principles of drug action, including: pharmacotherapeutics, pharmacokinetics, pharmacodynamics, adverse effects, and drug interactions.
3. Discuss core patient variables that need to be taken into account when administering drugs. Variables include: health status, lifespan and gender, lifestyle, diet and habits, environment, and culture.
4. Differentiate the nursing management of drugs affecting body systems and disease states.
5. Discuss the legal aspects of drug administration, including related nursing safeguards.
Topical Outline:

I. Pharmacologic Terms.
III. Patient Variables and Nursing Interventions in Drug Therapies.
IV. Legal Aspects of Drug Administration.
V. Drugs Affecting the Central Nervous System.
VI. Drugs Affecting the Autonomic Nervous System.
VII. Drugs Affecting the Cardiovascular System.
VIII. Drugs Affecting the Hematological System.
IX. Drugs Affecting the Urinary System.
X. Drugs Affecting the Respiratory System.
XI. Drugs Affecting the Gastrointestinal System.
XII. Drugs Affecting the Visual and Auditory System.
XIII. Drugs Affecting the Endocrine System.
XIV. Drugs Affecting the Reproductive System.
XV. Drugs Affecting the Neoplastic Diseases System.
XVI. Drugs Affecting the Infectious Diseases and Inflammation System.
XVII. Drugs Affecting the Immunologic System.
XVIII. Drugs Affecting the Integumentary System.

Recommended maximum class size for this course: 32

Prepared by: Mary Kennish

Name Signature

Date: March 19, 2003

NOTE: The intention of this master course syllabus is to provide a general outline of the contents of this course, as specified by the faculty of Columbia College, regardless of who teaches the course, when it is taught, or where it is taught. This generic outline is not intended to restrict the way any individual faculty member teaches the course. The master syllabus, therefore, should be general enough to allow for a diversity of individual approaches to teaching the course, while at the same time it provides guidance on what the course should cover.