

Palomar College
Course Outline of Record for
Degree Credit Course

Transfer course A.A. degree applicable course (check all that apply)

COURSE NUMBER AND TITLE: Nursing 120, Pharmacology for Nurses I

UNIT VALUE: 2

MINIMUM NUMBER OF SEMESTER HOURS: 32

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills

ENTRANCE REQUIREMENTS:

PREREQUISITE: None

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE: Basic concepts of pharmacology, pharmacokinetics, pharmacodynamics, drug interactions, and the nursing process related to the drug: those that affect the autonomic nervous system; the otic system; the ophthalmic system; the gastrointestinal system; the respiratory system; and the endocrine system. Also, pharmacology principles and concepts related to pain control; anesthesia agents; reproduction control; and blood-forming agents are included.

SPECIFIC COURSE OBJECTIVES: Successful students will:

1. Describe concepts of pharmacology that guide drug use.
2. Compare and contrast the mechanisms of action for the major drug categories presented.
3. Analyze and apply patient care implications pertinent to the pharmacological aspects of specific drugs.
4. Identify physiologic rationale for drug therapy for the autonomic nervous system, the autacoid system, the endocrine system, severe pain, and general and local anesthesia.
5. Apply the nursing process relating knowledge of medications to an overall plan of nursing care.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Introduction
 - A. Basic Principles of Drug Action
 - B. Application of the Nursing Process to Drug Therapy
 - C. Drug Administration and Calculations
- II. Drugs Affecting the Autonomic Nervous System
 - A. Adrenergic Agents
 - B. Adrenergic-Blocking Agents
 - C. Cholinergic Agents
 - D. Cholinergic-Blocking Agents
- III. Drugs for Pain Control and Anesthesia
 - A. Nonsteroidal Agents
 - B. Narcotic Analgesia
 - C. General and Local Anesthetics
- IV. Drugs Affecting the Otic System
- V. Drugs Affecting the Ophthalmic System
- VI. Drugs Affecting the Gastrointestinal System
- VII. Drugs Affecting the Respiratory System
- VIII. Drugs Affecting the Endocrine System
 - A. Pituitary Agents
 - B. Thyroid Agents
 - C. Adrenal Agents
 - D. Diabetic Agents
- IX. Drugs Affecting the Reproduction System
 - A. Female Agents
 - B. Male Agents
- X. Blood Forming Agents

REQUIRED READING:

Lilley, Linda, Robert A. Aucker, & Joseph A. Albanese. Pharmacology and the Nursing Process. St. Louis: C. V. Mosby, 1996.

Janney, Caroline and Jane Flahive. Calculation of Drug Dosages. 5th edition. Penn Valley: T. J. Designs, 1996.

SUGGESTED READING:

"Nurse Pro-calc," an interactive video program that addresses how to do mathematical calculations that is on the computers in the library's computer lab.

Silverman, Jay, Elaine Hughes, and Diana Wienbroer. Rules of Thumb. Third Edition. New York: McGraw-Hill, 1996.

REQUIRED WRITING:

A four to six page, double spaced, typed paper will be written on a topic related to the course content. Topics are to be chosen by each student and must be approved by the instructor. The format must follow what is identified in Rules of Thumb.

Two drug calculation practice sessions will also be held during class time. The problems will address how to determine dosages for basic oral, intramuscular, and subcutaneous injections.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes. The outside assignments include reading the text, preparing for class, and writing the paper.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

This course may be offered as a distance education course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply. (See guidelines for preparation for definitions.)

- telecourse
- mediated instruction
- computer assisted instruction

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

The objectives will be tested through two tests and a cumulative final exam. A four to six page paper will be written and a brief presentation of the paper will be given.

Test 1	=	40 points	25%
Test 2	=	40 points	25%
Paper	=	15 points	10%
Final Exam	=	60 points	40%

Grading Scale:

A	=	155.0 - 139.5 points
B	=	139.4 - 124 points
C	=	123.9 - 108.5 points
D	=	108.4 - 93 points
F	=	92.9 - 0 points

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes ___ No X Number of times course may be taken for credit: 1

If yes, identify specific provision of Title 5 Division 2 section(s) 55761-55763 and 58161 which qualifies course as repeatable:

CONTACT PERSON: Judy Eckhart, Associate Professor, Department of Nursing Education, ext. 2583.

SIGNATURES ON FILE
