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NUR 254.01: Meeting Human Needs Through the Use of Pharmacological Products II

Mary Nielsen

The University Of Montana

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COURSE NAME AND NUMBER:
NURSING 254, Meeting Human Needs Through the Use of Pharmacological Products II

COURSE AND TIME ALLOTMENT:
Credits: 2 total credit hours (2 hrs/wk)

PREREQUISITE COURSES:
All semester two and three nursing courses. Must be taken concurrently with NUR 255.

INSTRUCTOR: Mary Nielsen, MSN, BSN (Office) 243-7875 (Home) 273-6605 Email: Mary.Nielsen@umontana.edu
Office Hours: M-F 2:00 pm – 3:00 pm

COURSE DESCRIPTION:
Continuation of NUR 154. This lecture course continues the study of medication prototype groups to meet human needs, as listed on the course outline. The nursing process, as a framework for understanding actions, uses, nursing applications and client teaching, continues as a major conceptual theme. Comprehensive final examination covers all medication prototype groups studied.

COURSE OBJECTIVES:
At the completion of this course, the student will:
1. Explain the role of the practical nurse in administration of medications, including legal considerations and ethical concerns.
2. Solve drug dosage problems accurately on examinations using ratio/proportion method or formula of choice.
3. Identify developmental factors of the pediatric and geriatric client and discuss the adaptations to the pharmacological principles of absorption, distribution, metabolism, and excretion due to those factors.
4. On written examination, relate the components of the nursing process to the administration of medications.
5. Identify (for each drug type/prototype)
   a. Classification
   b. Action
   c. Use
   d. Route of administration
   e. Nursing implications
   f. Consideration of geriatric and pediatric clients
   g. Client teaching
METHOD OF INSTRUCTION:
1. Lecture and discussion
2. Selected reference readings
3. Written assignments
4. Study guides
5. Audio-visual aids

METHOD OF EVALUATION:
1. Examinations
2. Study Guide assignments
*3. This course may only be attempted twice and then removal from the program occurs.

REQUIRED TEXTBOOKS:
2. Student Study Guide to accompany above text.
3. Nursing dictionary of choice. (Mosby’s recommended)
5. Anatomy and Physiology text of choice.

COURSE OUTLINE:
Unit I: Allergy and Respiratory Medications (Chapter 10)
Unit II: Cardiovascular and Hematologic Products (Chapter 14; excluding Renal, 17)
Unit III: Central Nervous System Medications (Chapter 15)
Unit IV: Renal Medications (Chapter 14; Renal only)
Unit V: Antineoplastic Agents and Immunologic Agents (Chapters 13, 19)
Unit VI: Topical Preparations (Chapter 21)

LEARNING EXPERIENCES:
Completion of the Study Guide to Accompany Introduction of Clinical Pharmacology
Unit I: Chapter 10
Unit II: Chapter 14 (Cardiac), 17
Unit III: Chapter 15
Unit IV: Chapter 14 (Renal)
Unit V: Chapter 13, 19
Unit VI: Chapter 21
I. SCORES
   a. Total of six tests making up 95% of the final grade.
   b. Total of 6 workbook assignments making up 5% of grade.

A. Each test is scored by dividing the number correct by the total number possible. This will equal the final percent score of the test.
   90% - 100%  A  
   80% - 89%  B  
   70% - 79%  C
   60% - 69%  D  
   59% and below  F

B. Each workbook assignment if fully completed and is handed in on the due date is an automatic 15 points. Anything not fully completed or late is a zero.

The final class grade is determined by:
   A. Adding final points of each test and dividing by the total number possible – multiplying this by 95%.
   B. Adding final points of each workbook assignment and dividing by the total number possible – multiplying this by 5%.
   C. Adding the total from test scores with the total from workbook assignment scores equaling the final percent grade.

   90% - 100%  A  
   80% - 89%  B  
   70% - 79%  C
   60% - 69%  D  
   59% and below  F

The final grade in this class must be a “B” or better to pass. Anything lower than 80% will mean the course must be repeated. The course may only be attempted twice before removal from the program occurs.