SYLLABUS

DATE OF LAST REVIEW: 02/2013

CIP CODE: 51.1601

SEMESTER: Departmental Syllabus

COURSE TITLE: Pharmacology in Nursing

COURSE NUMBER: NURS 0208

CREDIT HOURS: 2

INSTRUCTOR: Departmental Syllabus

OFFICE LOCATION: Departmental Syllabus

OFFICE HOURS: Departmental Syllabus

TELEPHONE: Departmental Syllabus

E-MAIL: Departmental Syllabus

KCKCC issued email accounts are the official means for electronically communicating with our students.

PREREQUISITES: NURS0126

REQUIRED TEXT AND MATERIALS: Please check with the KCKCC Bookstore, http://www.kckccbookstore.com/, for the required text.

COURSE DESCRIPTION:
The Pharmacology in Nursing course provides students with a concise introduction to common classifications of medications. The mechanisms of action, sites of action, and side effects of drugs will be presented. Emphasis will be placed on toxic signs, adverse drug reactions, and any special nursing management issues relevant to the various classes of drugs.

METHODS OF INSTRUCTION:
A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE:
I. Drugs That Affect the Neurological System  
   A. Opiods analgesics  
   B. Sedative/Hypnotics  
   C. Non-opiod analgesics  
   D. Non-steroidal anti-inflammatory agents  
   E. Anti-depressants  

II. Drugs That Affect the Respiratory System  
   A. Antihistamines  
   B. Expectorants  
   C. Mucolytics  
   D. Bronchodilators/Anti-asthmatics  
      1. Xanthines  
      2. Sympathomimetics  
      3. Anticholinergics  
   E. Anti-inflammatory  
      1. Inhaled steroids  
      2. Leukotriene Receptor Antagonists  

III. Drugs That Affect the Cardiovascular System  
   A. Antihypertensives  
      1. Calcium Channel Blockers  
      2. Beta Blockers  
      3. ACE Inhibitors  
      4. ARBs  
   B. Cardiotonic agents  
   C. Anti-arrhythmic  
   D. Nitrates  
   E. Lipid Lowering Agents  
   F. Anticoagulant agents  
      1. Anti-platelet  
      2. Anti-coagulants  
      3. Thrombolytics  
   G. Diuretics  
      1. Loop  
      2. Osmotic  
      3. Potassium Sparing  
      4. Thiazide  
      5. Carbonic Anhydrase Inhibitors  

IV. Drugs That Affect the Gastrointestinal and Urinary System  
   A. Antacids  
   B. H2 Blockers  
   C. Proton Pump Inhibitors  
   D. Miscellaneous  

V. Drugs That Affect the Endocrine System  
   A. Anti-diabetic  
      1. Insulin  
      2. Oral medications
3. Human Amylin
B. Steroids
   1. Glucocorticoids
   2. Mineralcorticoids

VI. Drugs That Affect the Immune System
   A. Anti-infectives
   B. Anti-biotics
   C. Anti-fungals
   D. Anti/protozoal
   E. Anti-neoplasics

EXPECTED LEARNER OUTCOMES:
A. The student will be able to examine the various classifications of medications.
B. The student will be able to discuss the use and interactions associated with each class of drugs.
C. The student will be able to formulate nursing interventions based on the different drug classifications.
D. The student will be able to summarize factors that may result in altered drug effects in special populations.

COURSE COMPETENCIES:
The student will be able to summarize the various classifications of medications.

1. The student will be able to name and describe the major classes of drugs.
2. The student will be able to discuss common symptoms/disorders for which each pharmacological agent is used.

The student will be able to discuss the use and interactions associated with each class of drugs.

3. The student will be able to describe actions of the major classes of drugs.
4. The student will be able to describe various side effects of drugs.
5. The student will be able to identify and discuss the mechanisms that produce unwanted drug reactions.

The student will be able to formulate nursing interventions based on the different drug classifications.

6. The student will be able to explain the responsibilities of the nurse in medication administration.
7. The student will be able to recall key points to know about using each pharmacological agent.
8. The student will be able to outline the critical points that must be assessed prior to drug administration.
9. The student will be able to explain the role of the nurse and the client in medication administration to prevent medication errors.
10. The student will be able to identify appropriate pharmacologic health teaching.
11. The student will be able to integrate cultural sensitivity when providing teaching to clients.
The student will be able to summarize factors that may result in altered drug effects in special populations.

12. The student will be able to identify factors that may affect drug response.
13. The student will be able to identify those at risk for drug toxicities.
14. The student will be able to compare and contrast the medication requirements for the age extremes.

ASSESSMENT OF LEARNER OUTCOMES:
Student progress is evaluated by means that include, but are not limited to, exams, written assignments, and class participation.

SPECIAL NOTES:
This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student's progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups compromising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding and tolerance.

Kansas City Kansas Community College offers equal educational opportunity to all students as well as serving as an equal opportunity employer for all personnel. Various laws, including Title IX of the Educational Amendments of 1972, require the college’s policy on non-discrimination be administered without regard to race, color, age, sex, religion, national origin, physical handicap, or veteran status and that such policy be made known.

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