Course Syllabus

Department: Nursing

Date: Fall 2012

I. Course Prefix and Number: NUR 210

   Course Name: Pharmacodynamics of Nursing Practice

   Credit Hours and Contact Hours: 3 credit hours – 3 contact hours

   Catalog Description including pre- and co-requisites: supporting data required for grade prerequisite of ‘C’ or higher. A basic course designed to familiarize the learner with those groups of drugs frequently employed in the treatment of commonly occurring health problems. The course will include the study of drugs that affect the following body systems: nervous, cardiovascular, endocrine, gastrointestinal, hematopoietic, immune, and respiratory. Drugs utilized in the treatment of infections and cancer will also be studied. Course restricted to R. N.’s and senior level students enrolled in an R.N. program. L.P.N.s and any other students must secure permission of instructor or department chair to take this course.

Relationship to Academic Programs and Curriculum including SUNY Gen Ed designation if applicable:

This is a nursing elective course. It provides supplemental and complementary information to the nursing curriculum.

II. Course Student Learning Outcomes: State the student learning outcome(s) for the course (e.g. Student will be able to identify…)

   The student at the end of the semester will be able to:
   1. Describe the general framework of pharmacology.
   2. Identify references and resources for obtaining current information regarding specific as well as categories of drugs.
   3. State desired pharmacological action, side effects and nursing implications of prototype drugs within the following drug classifications:
      a. Antiinfectives
      b. Antiinflammatory agents
      c. Central nervous system stimulants and depressants
      d. Autonomic nervous system drugs
      e. Cardiac drugs
      f. Blood coagulants and anticoagulants
      g. Respiratory agents
      h. Diuretics
      i. Gastrointestinal agents
      j. Hormones
      k. Immunologic agents
      l. Antineoplastic agents
m. Antiallergic agents
n. Antipyretics
o. Antihypertensive agents
p. Antiepileptics
q. Vasodilators
r. Thromboytic agents

4. Select appropriate nursing interventions to minimize the undesirable side effects of prototype drugs in each classification.
5. Instruct patients and/or families regarding their drug regimen to include action, dosage, pertinent side effects and adverse effects requiring reporting and/or prompt medical attention.

College Learning Outcomes Addressed by the Course: (check each College Learning Outcome addressed by the Student Learning Outcomes)

☐ writing  ☑ computer literacy
☐ oral communications  ☑ ethics/values
☑ reading  ☐ citizenship
☐ mathematics  ☐ global concerns
☑ critical thinking  ☑ information resources

III. Assessment Measures (Summarize how the college and student learning outcomes will be assessed): For each identified outcome checked, please provide the specific assessment measure.

<table>
<thead>
<tr>
<th>List identified College Learning Outcomes(s)</th>
<th>Specific assessment measure(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading</td>
<td>Assigned readings of professional articles and in the required course textbook will assess reading.</td>
</tr>
<tr>
<td>Critical Thinking</td>
<td>Completion of case studies, pre-tests and participation in class discussion will assess critical thinking.</td>
</tr>
<tr>
<td>Computer Literacy</td>
<td>Navigation of the software learning platform will assess computer literacy.</td>
</tr>
<tr>
<td>Ethics/values</td>
<td>Participation in class discussions and completion of case studies will assess ethics/values.</td>
</tr>
<tr>
<td>Information Resources</td>
<td>Completion of case studies, pre-tests, article project, interview project and participation in class discussions will assess information resources.</td>
</tr>
</tbody>
</table>
IV. Instructional Materials and Methods

Types of Course Materials:

This course is taught online through the SUNY Learning Network (SLN) so student must have access to a computer. There is a required textbook for the course.

Methods of Instruction (e.g. Lecture, Lab, Seminar ...):
  Class discussion
  Written assignments (case studies; article project; interview project)
  Assigned readings
  Module outlines
  Pre-tests

V. General Outline of Topics Covered:

Module 1: Orientation tasks
Module 2: Ice-breaker activities and pharmacological principles
Module 3: Antiinfectives
Module 4: Respiratory system drugs
Module 5: Central nervous system drugs
Module 6: Autonomic nervous system drugs
Module 7: Cardiovascular drugs
Module 8: Endocrine drugs
Module 9: Antineoplastics
Module 10: Gastrointestinal system drugs