DEL MAR COLLEGE
DEPARTMENT OF NURSING EDUCATION

Pharmacology
RNSG 1201

COURSE INFORMATION
College Year: 2011-2012

Prerequisite Courses: Anatomy and Physiology I
Concurrent: HPRS 1204 and HPRS 1106 (Can be prior or concurrent)
Credit/Contact Hours: 2 Semester Credit Hours
2 lecture hours per week

Course Placement: Spring/Summer/Fall (REM 3, 3, 3)

FACULTY CONTACT INFORMATION

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COURSE DESCRIPTION:

Introduction to the science of pharmacology with emphasis on the actions, interactions, adverse effects, and nursing implications of each drug classification. Topics include the roles and responsibilities of the nurse in safe administration of medications within a legal/ethical framework. This course lends itself to either a blocked or integrated approach.
This course lays the foundation for applying pharmacology throughout the nursing program. Specific drug classifications are discussed in relation to nursing assessment, nursing diagnosis, patient monitoring, interventions, adult patient education, and evaluation of safe and effective drug therapy.

The teaching/learning philosophy for this course, as for any course in the DMC/Nursing Education Department, is delineated in the program philosophy printed in the Handbook for Nursing Students (see www.delmar.edu/rn).

The DMC/Nursing Education Department organizing structure serves as the framework for this course. The nursing process is the method used to plan and implement care to the patient.

**Student Learning Outcomes:** Upon successful completion of RNSG 1201 the student will demonstrate competencies as follows:

I. **Member of the Profession:** The student will identify caring behaviors that reflect commitment to the growth and development of the role and function of the nurse.
   a. Identify the roles and responsibilities of the nurse in administering pharmacological agents; and utilize knowledge of pharmacology to demonstrate safe administration of medications.
   b. Identify the caring components of nursing care relating to medication administration and pharmacology concepts.
   c. Describe the legal and ethical implications of medication administration to provide a safe environment for the patient.

II. **Provider of Patient-Centered Care:** The student will demonstrate competency by acknowledging responsibility for the quality of basic nursing care, and providing safe, compassionate, evidence-based patient care.
   a. Identify essential beginning clinical decision making skills in relation to pharmacology concepts and the administration of medicine, including considerations for cultural factors.

III. **Patient Safety Advocate:** The student will demonstrate an understanding of advocacy.
   a. Identify the onset of undesirable drug-induced side effects and adverse reactions; drug/drug, food/drug, over-the-counter (OTC)/drug, and herbal/drug interactions and the plan for appropriate nursing interventions.
b. Identify essential drug groups by classification noting similarities and differences among the drugs in each group needed for safe, effective decision-making.

IV. Member of the Health Care Team: The student will understand collaboration, communication, and coordination of patient care as part of the health care team.
   a. Identify essential communication skills among, nurse, patient, and the healthcare team crucial to pharmacology skills/medication administration.

SCANS and DEC’s Curriculum Statement

This course involve the interplay among The Secretary’s Commission o Achieving Necessary Skills (SCANS) and the Texas Board of Nursing Differentiated Essential Competencies (DEC’s) to effectively prepare graduates who will provide safe, competent, compassionate care.

GENERAL COURSE OVERVIEW

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<tr>
<td>Week 1</td>
<td>Introduction Safe Medication Administration; Nursing Process</td>
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<td>Discussion: Original Post on Blackboard</td>
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<td>2 Responses to Peers</td>
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<td>Week 2</td>
<td>Drug Calculations</td>
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<td>Week 3</td>
<td><strong>Unit Exam</strong> Pediatrics; Antibiotics</td>
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<td>Week 4</td>
<td>Quiz Geriatrics; Antibiotics, continued</td>
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<td>Discussion: Original Post on Blackboard</td>
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<td>2 Responses to Peers</td>
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<td>Week 5</td>
<td><strong>Unit Exam</strong> The Drug Approval Process; Antivirals, Antimalarials, Anthelmintics</td>
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<td>Week 6</td>
<td>Quiz Drugs for Urinary Tract Disorders; Role of the Nurse in Drug Research</td>
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<td>Discussion: Original Post on Blackboard</td>
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<td>2 Responses to Peers</td>
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<td>Week 7</td>
<td>Unit Exam Ear and Skin</td>
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<td>Week 8</td>
<td>Quiz Endocrine &amp; Antidiabetics</td>
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<td>Discussion: Original Post on Blackboard</td>
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<td>2 Responses to Peers</td>
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<td>Week 9</td>
<td>Unit Exam Pain &amp; Inflammation</td>
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<td>Week 10</td>
<td>Quiz Eye; Adrenergic and Cholinergic Agents</td>
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<td>Discussion: Original Post on Blackboard</td>
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<td>2 Responses to Peers</td>
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<td>Week 11</td>
<td>Unit Exam Neuro, Neuromuscular, and Anticonvulsant Drugs</td>
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<td>Week 12</td>
<td>Quiz Drug/OTC Interactions; Respiratory</td>
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<td>Discussion: Original Post on Blackboard</td>
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<td>2 Responses to Peers</td>
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<td>Unit Exam Cultural and Genetic; Heart</td>
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<td>Week 14</td>
<td>Quiz Community Settings; Heart continued</td>
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<td>Discussion: Original Post on Blackboard</td>
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<td>2 Responses to Peers</td>
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<td>Week 15</td>
<td>Herbals; Vitamins &amp;</td>
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<td>Minerals; GI tract</td>
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<td>and Ulcers</td>
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<td>Week 16</td>
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**TEXTBOOKS:**

**Required**


*Pharmacology is an area integrated into the nursing curriculum. Therefore, please retain this textbook as it is used as a reference in all nursing courses.*

[http://evolve.elsevier.com/KeeHayes/pharmacology/](http://evolve.elsevier.com/KeeHayes/pharmacology/) KEY/PASSWORD required for online course. Also can purchase on Blackboard: Click on Purchase Access Codes Online from Blackboard.

**Suggested Reference Books:**

Medical Dictionary
Drug Guide (Saunders is located on Blackboard as part of the online course).
Laboratory Diagnostic

**TECHNOLOGY REQUIREMENTS**

Blackboard Learning System: Each class contains assignments available on Blackboard and the student is responsible for completing the Student Blackboard Tutorial

- Navigating in Blackboard
- Discussions
- Assessments
- Assignments
found on the following website.

**Student Tutorials - Video based.**

Student is required to login to the course on a daily basis to complete assignments that include i.e. quizzes, discussions, self-study modules, and case studies. The student is to secure proper configuration for personal computers that support the Blackboard Learning System in order to complete assignments by scheduled due dates. Additional online resources are available through [www.delmar.edu](http://www.delmar.edu).

**ADDITIONAL MATERIALS AND SUPPLIES REQUIRED:** Basic Function Calculator, if desired. #2 pencils for Scantron exams and quizzes.

**METHODS OF ACCOMPLISHING STUDENT LEARNING OUTCOMES**

Pharmacology is an essential component of nursing education. Nursing education incorporates the synthesis of scientific and liberal arts concepts. Through the education process, students acquire the knowledge and behaviors expected of the registered nurse.

As with nursing education, pharmacology incorporates and enhances varied student learning experience, cultural diversity and potential for growth. The student is expected to demonstrate accountability and responsibility in the learning process.

Nursing integrates caring, communication, competence, and clinical decision making to respond to patient needs throughout the lifespan. This process enhances progression of decision making with regard to safe medication administration.

Methods of instruction may include but are not limited to lectures/presentations, small group discussion, audio-visual media, written assignments, case studies, computer-assisted programs, games, demonstrations; directed practice and simulation-learning activities.

Computer knowledge is required for successful completion of course.

**STUDENT EVALUATION and COURSE REQUIREMENTS**

Evaluation includes computerized examinations, quizzes, and written assignments. Discussion Assignments: On Blackboard a grading rubric is used for each discussion assigned. Reliable sources such as nursing journals and medlineplus.com must be used to reference healthcare information. APA format is required for references.
Grading Guidelines:

The grading scale for RNSG 1201 is consistent with the nursing program grading scale listed in the student nursing handbook.

\[
\begin{align*}
A &= 100 - 90 \\
B &= 89 - 83 \\
C &= 82 - 75 \\
D &= 74 - 70 \\
F &= 69 \text{ and below}
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Grading Policy

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<tr>
<th>Category</th>
<th>Percentage</th>
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<tr>
<td>6 Unit Exams</td>
<td>60%</td>
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<tr>
<td>1 Assignments</td>
<td>10%</td>
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<tr>
<td>6 Quizzes</td>
<td>10%</td>
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<tr>
<td>1 Final Exam</td>
<td>20%</td>
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<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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The average of the exam grades, before weighted calculation is performed, must be 75% or above to pass the course. Grades will not be rounded when calculating the average (74.5 – 74.9 is not rounded to 75). Students with an exam average of 75 or higher will have course grades calculated based on the weighted calculation of the exams and other required course work.

Discussion Assignment

Each student is to complete the discussion assignment. The discussion assignment is composed of 1 original, referenced post and at least 2 responses to student posts for each week assigned.

For the weeks assigned a discussion, post one original discussion of the assigned topic by Wednesday at midnight and at least 2 responses by Friday at midnight. The 7 assigned discussions are graded per rubric, the discussion grades are totaled and averaged for the overall Assignment grade.

Note: Syllabus and calendar are subject to change to best meet needs as determined by Course Coordinator and/or faculty.
Student Test Policy

1. Attendance is required and students will not be allowed entry to classroom after exam has started.
2. All student possessions (backpacks, cell-phones, beverages, hats, study materials etc.) must be left at the front of the room or designated area 10 minutes prior to the start of the exam. The student may have a pen or pencil during the testing period. Only a “Basic Function” calculator is permissible and if necessary paper will be provided by faculty.
3. If you are going to be absent you must contact your instructor by phone or email prior to the scheduled exam.
4. Make up exams must be taken within 24-48 hours of absence and are subject to a ten (10) point deduction.
5. Make up exams will only be given at the discretion of the faculty member and can be a different version than that of the scheduled exam.
6. Exams or quizzes can be delivered in a written, online, or “clicker response system”. In the use of the “Clicker response system” or “scantron” grades will only reflect answers entered into the clicker response pad or scantron answer sheet. Students are not to mark on test exams.
7. Classroom exam reviews will be conducted at the discretion of the faculty. Students will not be allowed to take any notes during the review and desks must be cleared.
8. Individual exam reviews may be scheduled with the faculty during office hours and within 7 calendar days from the return of exam grades.
9. Any student achieving an examination grade of less than 75% must schedule an appointment with faculty within 7 calendar days from the return of exam grades.
10. Students must pass a dosage calculation test at 100% per level prior to the date of scheduled clinical. Failure to obtain a 100% will result in failure of the course.
11. Failure to follow policies can result in a zero for an exam.
12. Students are allowed one make-up exam per course.

The Handbook for Nursing Students (http://www.delmar.edu/rn) details the Progression Policy for the department in case of a failure.

EXPECTED STUDENT BEHAVIOR

1. Attendance is expected to be regular and punctual. In accordance with the Del Mar College Attendance Policy students are subject to withdrawal due to lack of attendance. Refer to DMC Catalog for attendance policy and student conduct on the following websites:
   http://www.delmar.edu/sthandbook/rights.php#3
   http://hb2504.delmar.edu/AcademicClassroomPolicy.pdf

2. Cell phones are to be off or on vibrate during class or lab. It is not permissible to text during class or lab.
3. **Classroom Assignments:** Each unit contains assignments that guide the student toward meeting specified course objective. The student is expected to do the required preparation prior to class.
4. **Completion of required Kaplan/LWW Integrated Testing program activities as outlined by faculty.**
5. **Laboratory Experiences:** Each student is responsible for personal preparation related to the laboratory experience prior to skills practice and or simulation-learning. Skills Lab Kits are required for each scheduled lab. Students are required to attend labs in DNE dress code as outlined in the student handbook located on the program homepage, [http://www.delmar.edu/rn](http://www.delmar.edu/rn). Students will not be permitted into the laboratory experience after the scheduled time. Labs missed due to tardiness or absences will be subject to a zero grade for scheduled lab grade. Faculty will refer students to an open campus lab for labs missed.
6. **Multi-media Assignments:** The student is expected to view all assigned AV/Computer material as designated and scheduled.
7. **Blackboard Learning System:** Each unit contains assignments available on Blackboard and student is responsible for completing the Student Blackboard Tutorial found on the following website: [http://ecourse.delmar.edu/webct/logonDisplay.dowebct](http://ecourse.delmar.edu/webct/logonDisplay.dowebct)
   Student is required to login to the course on a daily basis to complete assignments that can include i.e. quizzes, discussions and case-studies. The student is to secure proper configuration of personal computers that support the Blackboard Learning System in order to complete assignments by scheduled due dates.
8. **Students are required to review the DMC catalog and the DMC Department of Nursing Education Handbook located on the homepage, [http://www.delmar.edu/rn](http://www.delmar.edu/rn)**
9. **No student use of video/audio recordings, WEBCAMS or social networking media are allowed during classroom, laboratory or clinical activities.**

**OTHER INFORMATION**

**DMC Safety**

The student is required to register with DMC Alert found on their MyDMC account page. This alert system will notify students of any emergency or campus closure via the students’ method of notification. Visit the website [http://mydmc.delmar.edu/cp/home/login](http://mydmc.delmar.edu/cp/home/login)

Dial 698-1600 when obtaining information regarding campus closures.

In the event of fire or other emergency, you should cautiously exit the classroom/building through nearest exit(s). In the event of fire, elevators should not be used. It is the instructor’s responsibility to insure that assistance is given to those students who need help in exiting the classroom/building. Fire extinguishers are located in hallways on each floor of the health science buildings.

**Dial 1199 when using campus telephone.**
Dial 911 when using pay telephone.

American Disabilities Act Statement

If you have a disability, including a learning disability for which you can request an accommodation please refer to the link below. A student requesting accommodation must provide documentation of disability to the Counseling and Advising Centers Special Services office at 361-698-1741. If you require additional assistance such as for testing you must provide the course coordinator documentation that indicates the necessary accommodations within the first week of class. http://www.delmar.edu/specserv/refguide/

Additional expectations will be discussed by faculty.

The course syllabus is a general plan for the course; the instructor reserves the right to make any changes deemed necessary to best fulfill the course objectives. Students registered for this course will be made aware of any changes in a timely fashion using reasonable means. This disclaimer does not abrogate any student rights as described by College rules and regulations.
RNSG 1201 Pharmacology Syllabus Acceptance Statement

_____ I have read the syllabus of this pharmacology course I am taking this semester, and I understand the criteria established for grading my course work. I understand that my average on exams must be 75 or higher in order to attain a passing grade for the course.

_____ I will maintain and uphold the academic integrity policy of the Department of Nurse Education and will not condone or participate in any activities of academic dishonesty including, but not limited to, plagiarism, cheating, stealing, or copying another’s assigned work.

_____ I will not recreate any items or portions of any exam for my own use, or for use by others during my enrollment in the Department of Nurse Education.

_____ I will not accept or access any unauthorized information related to any exam administered during my enrollment in the Department of Nurse Education.

_____ I will sign only my own papers and other documents and will not sign any other student’s name to anything, including class rolls.

_____ I will not allow any other student access to any of my paperwork for the purpose of copying.

Signature:_________________________ Printed Name________________________

Date___/____/_______ (DDMMYYYY)