



**BSN Program  
NURS 3312 Principles of Pharmacology  
Syllabus**

**Instructor: Bonnie Smithers, RN, MSN, FNP**  
**Instructor Email: Bonnie.Smithers@tamuc.edu**  
**Office Location: Nursing Building**  
**Office Hours: By appointment**  
**Nursing Department: 903-886-5315**  
**Office Fax: 903-886-5729**

**COURSE INFORMATION**

**Materials- Textbooks, Readings, Supplementary Readings:**

**Textbook(s) Required:**

Kee, Joyce, Hayes, E., and McCuiston, L.E. (2012) *Pharmacology: A Nursing Process Approach*.

(7<sup>th</sup> Ed.) Saunders Elsevier. (ISBN: 9781437717112)

Ogden, Sheila (2012) *Calculation of Drug Dosages*. (9<sup>th</sup> Ed.) St. Louis: Mosby. (ISBN-10: 0323077536)

**Recommended Textbooks:**

Skidmore-Roth, Linda (latest edition) *Mosby's Drug Guide for Nurses*. St. Louis: Mosby

**Prerequisites:** BSC 2401 and 2402. By approval of the Director of the Nursing Program.

**COURSE DESCRIPTION: (3 credit hours)**

Focuses on the basic drug classification, concepts and principles of pharmacology with special consideration for the nursing role in developing a comprehensive approach to the clinical application of drug therapy through the use of the nursing process. Nursing implications relative to the utilization of drug therapy are examined. Dosage calculations are evaluated for competency.

**Student Learning Outcomes:**

1. Define basic pharmacological terminology.
2. Apply general concepts of pharmacokinetic and pharmacodynamic processes and their application in

- drug therapy and the nursing process.
3. Recognize significant adverse drug reactions, drug-drug, and drug-nutrient interactions.
  4. Describe major classifications of drugs used in modern treatment of disease.
  5. Describe the professional responsibility and standards of practice for the professional nurse as related to the medication administration process.
  6. Develop the necessary skills to provide patient education regarding drug therapy.
  7. Describe strategies employed for patient safety during the preparation and administration of medications.
  8. Demonstrate competency in performing clinical drug and dosage calculations.

## **COURSE REQUIREMENTS**

### **Instructional / Methods / Activities Assessments**

Course objectives may be met through individual study using suggested resources, active involvement in classroom activities, and formal and informal exchange of ideas with classmates and colleagues regarding specific topics utilizing critical thinking skills. Teaching methods include interactive lecture, small group discussion, case study analysis as assigned, independent study of texts and library resources, audio-visual aids, information provided on online, and assignments. While the professor will provide guidance and consultation, the student is responsible for identification of learning needs, self-direction, seeking consultation and help as needed to achieve course objectives. In other words, you must take responsibility for your own learning, which largely occurs via self-study outside of class. Class time is used for application and clarification of what you have already learned outside of class.

### **Grading**

Grades will be determined as follows:

<b>Exams 4</b>	<b>20% Each Exam</b>	<b>80 %</b>
<b>Quizzes 14</b>	<b>0.71 % Each Quiz</b>	<b>10 %</b>
<b>Math Module</b>	<b>Math Module</b>	<b>10 %</b>
<b>Total</b>		<b>100%</b>

### **Grading Scale:**

A = 90-100

B = 80-89

C = 75-79

D = 67-74

F = 66 and Below

## **TECHNOLOGY REQUIREMENTS**

This course will be enhanced using eCollege, the Learning Management System used by Texas A&M University-Commerce. To login to the course, go to: <http://leo.tamuc.edu/login.aspx>.

You will need your CWID and password to log in to the course. If you do not know your CWID or have forgotten your password, contact Technology Services at 903.468.6000 or [helpdesk@tamuc.edu](mailto:helpdesk@tamuc.edu)

The following hardware and software are necessary to use eCollege.

- Internet access/connection-high speed recommended (not dial up)*
- Word Processor (MS Word, or Word Perfect)*

Our campus is optimized to work in a Microsoft Windows environment. This means our courses work best if you are using a Windows operating system (XP, Vista, or 7) and a recent version of Microsoft Internet Explorer (6.0, 7.0, 8.0, or 9.0).

Your courses will also work with Macintosh OS X or better along with a recent version of Safari (5.1 is now available). Along with Internet Explorer and Safari, eCollege also supports the Firefox browser (3.0) on both Windows, and Mac operating systems.

It is strongly recommended that you perform a “Browser Test” prior to the start of your course. To launch a browser test, login to eCollege, click on the “myCourses” tab, and then select the “Browser Test” link under Support Services.

-

## COMMUNICATION AND SUPPORT

### **Interaction with Instructor Statement:**

Communication between faculty and students is primary and taken seriously. Preferred communication methods are individualized office hours, email, or via office phone. If a phone call is not answered please leave a message and send an e-mail using the direct e-mail link on the course home page. You will be treated with collegial respect and I expect you to communicate likewise in a professional manner using the principles of communication learned in this class.

## COURSE AND UNIVERSITY PROCEDURES/POLICIES

### **CLASS**

1. Class Cancellation: In the event that a class is canceled, the student is expected to do the readings and complete the objectives for that day. The content will still be included on examinations. The material in this syllabus and dates identified in the Course Calendar are subject to change.
2. Class attendance is expected. The students should notify course faculty in advance of any absence.
3. Exam dates are listed in each course syllabus, and the student is expected to be present for exams. In the event that the student will be absent, the course instructor must be

- notified in advance. Failure to do so will result in the student receiving a zero for the missed exam or quiz.
4. As an adult learner and responsible professional, the student is responsible for reading and completing assignments prior to class and for being prepared to participate in discussions over the assigned material. It should not be expected that all material will be covered in class. Students are expected to come to class prepared.
  5. Assignments must be handed in on time. Assignments submitted late without prior arrangement with the classroom instructor will receive a zero.

### **University Specific Procedures**

#### **ADA Statement**

The Americans with Disability Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

#### **Office of Student Disability Resources and Services**

**Texas A&M University-Commerce**

**Gee Library 132**

**Phone (903) 468-8148**

**Fax (903) 468-8148**

**[StudentDisabilityServices@tamuc.edu](mailto:StudentDisabilityServices@tamuc.edu)**

#### **Student Conduct Code – Refer to the BSN Student Guide**

Students must adhere to standards of professional and academic conduct. Academic misconduct involves any activity that tends to compromise the academic integrity of the University, or subvert the educational process, including, but not limited to, cheating, plagiarism, falsifying academic records, misrepresenting facts and any act designed to give unfair academic advantage to the student or the attempt to commit such an act. Students are responsible for their own academic honesty and for reporting violations of academic honesty by others.

## 3312 Pharmacology: Course Home - Content Schedule

### Content Outline

Textbook: *Pharmacology: A Nursing Process Approach* by Kee, Hayes, McCuiston

Week	Content	Reading Assignment
1	Intro: Drug Action, Nursing Process, Medication Safety, Drug Approval, Cultural/Pharmacogenetics, Pedi/Geri Consideration  <i>Quiz 1</i>	Chapters: 1, 2, 3, 6, 7, 11, 12
2 <b>(1/28)</b>	<b>Exam 1 (Chapters 1, 2, 3, 6, 7, 11, 12)</b>	
2	Analgesics/Anti-inflammatory Agents  <i>Quiz 2</i>	Chapters: 25, 26
3	Endocrine Agents  <i>Quiz 3</i>	Chapters: 51, 52
4	Sensory (Eye, Ear, Skin) Agents  <i>Quiz 4</i>	Chapters: 49, 50
5	Anti-infectives: Antibiotics, Antivirals, Antifungals, Anti-TB  <i>Quiz 5</i>	Chapters: 29, 30, 31, 32, 33
5 <b>(2/18)</b>	<b>Exam 2 (Chapters 25, 26, 29-33, 49-52)</b>	
6	Respiratory Agents  <i>Quiz 6</i>	Chapters: 40, 41
7	Cardiac: Fluids/Electrolytes, Glycosides, Antianginals, Antidysrhythmics, Diuretics  <i>Quiz 7</i>	Chapters: 16, 42, 43
8	Cardiac: Antihypertensives, Anticoagulants, Antiplatelets, Thrombolytics, Antilipemics, Peripheral Vasodilators  <i>Quiz 8</i>	Chapters: 44, 45, 46
9	Gastrointestinal Agents  <i>Quiz 9</i>	Chapters: 47, 48
10	Immunologic Agents  <i>Quiz 10</i>	Chapters: 35, 36
10 <b>(3/25)</b>	<b>Exam 3 (Chapters 16, 35, 36, 40-48)</b>	
11	CNS: Autonomic Nervous System; Stimulants/Depressants  <i>Quiz 11</i>	Chapters: 18, 19, 20, 21
12	CNS: Anticonvulsants, Neurologic Disorder Agents; Neuromuscular Disorder Agent	Chapters: 22, 23, 24

	<i>Quiz 12</i>	
13	Reproductive: Male, Female	Chapters: 56, 57
	<i>Quiz 13</i>	
14	Psychiatric Agents	Chapters: 27, 28
	<i>Quiz 14</i>	
<b>14(4/29)</b>	<b>Exam 4 (Chapters 18-24, 27, 28, 56, 57)</b>	
15	Dosage Calculation Module	Ogden Textbook  Chapters: 1-8, 12-14
16	<b>Dosage Calculation Final (5/6)</b>	