

CLASS NUMBER AND NAME:

**RXN185A Pharmacology by Body Systems I**

TOTAL HOURS/UNITS:

24 HOURS

2 UNITS

PREREQUISITES:

MDN150-Anatomy and Physiology I, MDN151-Anatomy and Physiology II, MDN152-Anatomy and Physiology III, and RXN175A-Principles of Pharmacology.

TEXT AND MATERIALS:

Pharmacology: Principles & Application, Fulcher & Soto, Fulcher, Publisher: Saunders, 3<sup>rd</sup> edition 2012

(ISBN 9781437722673)

Drug Reference Book (ISBN 9781496322555)

Study and Instructive Handouts (provided by instructor)

CLASS DESCRIPTION:

This class is a body-systems approach to pharmacology. The student is introduced to the basic study of medication use and patient education for the following systems: Endocrine System, Eye and Ear Disorders, Skin Conditions, Musculoskeletal System, and Gastrointestinal Disorders.

CLASS OBJECTIVES:

Define and apply keywords in pharmacology.

To educate the students to medications: forms and uses, delivery and administration, medication orders and patient education and safety per body systems.

Identification of drug classifications and actions, common symptoms and side effects of medications per the following body systems: eye and ear, skin, musculoskeletal, gastrointestinal, and endocrine

CLASS FORMAT OVERVIEW:

Pharmacology is divided into three courses. Principles and two sections of pharmacology by body systems. The student must complete pharmacology by systems with a passing grade of 70% or better. The student is eligible to take either of the pharmacology by body systems after successful completion of Principles of Pharmacology and Anatomy I, II, III by body systems.

METHODS OF INSTRUCTION:

The principle means of instruction in class is critical thinking exercises, scenario discussions, completion of review and instructional material, all supported by textbook reading and instructor explanations. It will be expected that all students are present every day. The student is expected to read the chapters, as well as attend each class and participates in class activities.

The instructor may provide student study and instructive material for each chapter.

**CLASS ATTENDANCE:**

It is expected that each student will be in class when class begins. Should the student come in later than five minutes after class begins, he or she should be certain that the instructor has noted his or her presence in the class. It will then be up to the instructor to decide if the student had arrived in time to be counted, as present-the instructor's decision is final.

It will be the student's responsibility to learn of any assignments given in class when absent.

80% attendance is mandatory;

90% or above is mandatory for those who are in a full program and qualify for the externship.

**TESTING:**

Assignments will be scheduled for both in class and outside of class completion. Quizzes are given throughout each section at the instructor's discretion and make-ups must be completed immediately upon return to school. E-Library/Internet = Pass/Fail

There are no retakes of any tests in medical.

**LATE TESTING:**

**A 10 PERCENT PENALTY WILL BE ISSUED FOR ALL LATE TESTS.** If you are not present the day of the test and have not made arrangements with the instructor to take the test early, you will automatically be given the 10 percent penalty. (Late tests start with a "B" grade or, minus 10%). Late homework will receive 1% off the final grade per class period that it is late.

**GRADING POLICIES:**

Each student is graded on the cumulative point system as follows:

90-100% = A

80-89% = B

70-79% = C

69% and below = F

Students out of uniform will be subject to the uniform contract grading policy.

**If a student fails to take a test during the module, the class grade may be lowered by one letter grade.**

Upon completing this course, the student will be able to:

ANTICIPATED LEARNING  
OUTCOMES:

1. Demonstrate an understanding of pharmacological classifications of drugs used for the following body systems: eye and ear, skin, musculoskeletal, endocrine and gastrointestinal.
2. Identification of common symptoms of disorders of the following systems: eye and ear, skin, musculoskeletal, endocrine and gastrointestinal.
3. Identification of common side effects of medications used for the following systems: eye and ear, skin, musculoskeletal, endocrine and gastrointestinal
4. A working knowledge of related OSHA standards.
5. Explain issues surrounding patient education and safety.
6. Recognition, use and spelling of pharmacology terminology correctly per body system.

## RXN185A Pharmacology by Body Systems 3<sup>rd</sup> Edition

Week				
1	<b>CH. 21 Eye and Ear</b> <u>Class assignments</u> Chapter 21 Vocab & CT= pg. 369 & 384  <b>HW= 30 min</b> Rd pgs.369-384 Answer questions on chapter packet.	<b>CH. 21 Eye and Ear</b> Homework due. Lecture on Ch 21  <b>HW= 30 min</b> Rd pgs.369-384 Answer questions on chapter packet.	<b>CH. 21 Eye and Ear</b> Cont. lecture  <b>HW= 30 min</b> Review and study	<b>CH. 21 TEST</b>  <b>HW= 30 min</b> Rd pgs.385-401 Answer questions on review packet.
2	<b>CH. 22 SKIN</b> <u>Class assignment</u> Chapter 22 Vocab & CT= pg. 385 & 400  <b>HW= 30 min</b> Review and study	<b>CH. 22 SKIN</b> Homework due. Lecture on Ch 22  <b>HW= 30 min</b> Review and study	<b>CH. 22 SKIN</b> Cont. lecture  <b>HW= 30 min</b> Review and study	<b>CH. 22 TEST</b>  <b>HW= 30 min</b> Rd pgs.402-417 Answer questions on review packet.
3	<b>CH. 23 Musculoskeletal</b> <u>Class assignment</u> Chapter 23 Vocab & CT= pg. 402 & 415  <b>HW= 30 min</b> Review and study	<b>CH. 23 Musculoskeletal</b> Lecture on Ch 23  <b>HW= 30 min</b> Review and study	<b>CH. 23 Musculoskeletal</b> Cont. lecture  <b>HW= 30 min</b> Review and study	<b>CH. 23 TEST</b>  <b>HW= 30 min</b> Rd pgs.402-417 Answer questions on review packet.
4	<b>CH. 20 Endocrine</b> <u>Class assignment</u> Chapter 20 Vocab & CT= pg. 344 & 366  <b>HW= 30 min</b> Review and study	<b>CH. 20 Endocrine</b> Lecture and chapter homework packet due.  <b>HW= 30 min</b> Review and study	<b>CH. 20 Endocrine</b> Cont. lecture  <b>HW= 30 min</b> Review and study	<b>CH. 20 Endocrine</b> Cont. lecture  <b>HW= 30 min</b> Review and study
5	<b>CH. 20 TEST</b>  <b>HW= 30 min</b> Rd pgs. 418-442 Answer questions on review packet.	<b>CH. 24 Gastrointestinal</b> <u>Class assignment</u> Chapter 24 Vocab & CT= pg. 418 & 441  <b>HW= 30 min</b> Answer questions on review packet.	<b>CH. 24 Gastrointestinal</b> Lecture and chapter homework packet due.  <b>HW= 30 min</b> Review and study	<b>CH. 24 Gastrointestinal</b> Lecture  <b>HW= 30 min</b> Review and study
6	<b>CH. 24 Gastrointestinal</b> Cont. lecture  <b>HW= 30 min</b> Review and study	<b>CH. 24 Gastrointestinal</b> Cont. lecture  <b>HW= 30 min</b> Review and study	Final questions and review  <b>HW= 1 hour</b> Review and study	<b>FINAL Ch 24</b>

Time spent in preparation for or reflection on course lecture will approximate two hours outside of class for each lecture credit hour utilized by the instructor in delivery of the material and ¼ hour outside of class for each hour of structured lab time