



Pharmacology

HITT 1349

****Note to Student ****

Student Success is the number one priority at Coastal Bend College and prompt, effective communication plays a significant role in achieving that goal. If there are any problems contacting the instructor for the course, or receiving a prompt response to inquiries, please use the following contact list to continue the request for information. Contact first the Assistant Professor; then the Coordinator of Professional Services, then the Director of Workforce, and finally the Dean of Workforce, Their contact information is provided below:

Assistant Professor; Charles Daniels (830) 569-4222 X1204; cdaniels28@coastalbend.edu
Coordinator of Professional Services: Jared Bleibdrey; 361-354-2339; jbleibdrev@coastalbend.edu
Director of Workforce Program, Noemi Aguilar: 361-354-2306; aguilar@coastalbend.edu
Dean of Workforce Programs, Julia Garcia: (830) 569-4222 X1202; jgarcia @ coasJalbend.edu

Course Description:

The course is an overview of the basic concepts of the pharmacological treatment of various diseases affecting major body systems. Starting from a brief review of the anatomy and pathophysiology of a given system it will look at the basic pharmaceutical drugs used to treat conditions of the given system in terms of how they are absorbed and affect the system in terms of treatment outcomes and side-effects.

Lecture Lab Hours 2 / 4. This is a 3 hour credit course.

Prerequisite: None

Text: Fundamental Pharmacology for Pharmacy Technicians, 2nd Edition, Jahangir Moini, Cengage Learning.

ISBN: 978-1-305-08735-4

Teaching Methods:

The class is taught using Lecture, Class assignments, and assessments [tests].

End of Course Outcomes: Upon successful completion of this course the student will:

1. Distinguish between normal and abnormal physiology of major systems of the body
2. Have knowledge of basic terms related to drugs and drug therapies
3. Be able to describe what happens when drugs enter the body and how they work
4. List the major classifications of drugs that affect each body system
5. Have knowledge of commonly used drugs and how they work
6. Be able to describe common side effects or adverse reactions in the various classifications of drugs.



Evaluation Methods:

1. Exams
2. Classroom activities
3. Online assignments

Student Learning Outcomes:

1. The student will demonstrate critical thinking skills in being able to present in a stylistically correct research paper information about the way drugs are processed in the body to an anatomical site, types of medication and be able to discuss a particular medication types as it relates to a specific diseases in terms of its method of action, side effects, precautions, and possible drug interactions.

Assessment: Lecture

The assessment will be conducted by using a research paper to discuss the general topic of pharmacology and how drugs are used as medicine and processed in the body.

Target: Lecture

1. At least 90% of the student will score 75% or higher on the essay.

Assessment: Lab

The assessment will be conducted by using an exam: Test questions in exam will cover a specific body system and have short answer discussion questions reflecting conditions related to that body system and drugs used in treatment of conditions unique to that body system.

Target: Lab

1. At least 90% of the student will score 75% or higher on the exam.

Week	Class Day I - Lecture Topic	Class Day II - Lecture Topic	Assignments / Assessments
1.	Study of Pharmacology	Drugs in the Body	Each chapter has quiz over the material in the readings.
2.	The Immune System	Immunologic Drugs	Each chapter will also have a discussion topic or assignment, or both, to practice the material in the chapter.
3.	Skin and Dermatologic Drugs	Skeletal System Drugs	There is a mid-term and a final based upon the chapter quizzes.

4.	The Nervous System	Neural Drugs	A 3-5 page research paper is done
5.	Psychiatric and Mood Disorders	Pain, Headache and Anesthesia	Which is due near the end of the semester
6.	Muscular System	Muscular System Drugs	Which will use source material to report on the history of a particular drug and its use as a
7.	Eye, Ear Nose, Throat Anatomy	Eye, Ear, Nose, Throat Drugs	
8.	Cardiovascular System	Cardiovascular System Drugs	
9.	Blood and Drug Therapy	Respiratory System Drugs	
10.	Gastrointestinal System	Gastrointestinal System Drugs	
11.	Nutrition & Metabolism Drugs	Endocrine System and Drugs	
12.	Reproductive Anatomy	Reproductive System Drugs	
13.	Renal Anatomy	Renal System Drugs	
14.	Fluids and Electrolytes	Cancer and Chemotherapy	
15.	Review	Review	
16.	Finals		

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See at: [GL \(Legal\)](#)

Special Needs Services: Students with special needs, including physical and learning disabilities, who wish to request accommodations in this course should contact the Student Development Office as soon as possible to make arrangements; this should occur no later than the second week of class or as soon as the student has the documentation on the disability and requested accommodation per a certified medical or psychological professional. In accordance with federal law, a student requesting accommodations must provide documentation of disability to the Student Development Advisor.

For more information, contact: in Alice at sdalice@coastalbend.edu; Beeville at sdbeeville@coastalbend.edu; Kingsville at sdkingsville@coastalbend.edu; and Pleasanton at sdpleasanton@coastalbend.edu.



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See at: [FLB \(Local\)](#) and [FM \(Local\)](#).

See the [Student Handbook](#) for further explanation of Scholastic Dishonesty.

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NOTE: The College website (www.coastalbend.edu) serves as the main source with the most current version of the Coastal Bend College Board Policies and the Coastal Bend College Catalog.