



**Pharmacology**

**HITT 1349**

\*\*\*\*\* Note to Student \*\*\*\*\*

Student Success is our number one priority at Coastal Bend College and we realize that prompt, effective communication plays a significant role in achieving that goal. It is vitally important that you have the proper contact information for your instructor. This should include their phone number, email address, and if applicable, their office number, and office hours. If you ever have any problems contacting your instructor, or do not receive a prompt response to your inquiries, please contact the Assistant Dean of Workforce Training, or the Dean of Workforce, as soon as possible. Their contact information is provided below:

<p><i>Julia Garcia, Dean of Workforce Training</i>                  (830) 569-4222 X1202  <a href="mailto:jgarcia@coastalbend.edu">jgarcia@coastalbend.edu</a></p>	<p><i>Noemi Aguilar, Assistant Dean of Workforce Training</i>                  (361) 354-2306  <a href="mailto:aguilar@coastalbend.edu">aguilar@coastalbend.edu</a></p>
	<p><i>Coordinator of Professional Services: Juanita Dominguez: (361) 664-2981 X 3028</i>  <a href="mailto:juanita@coastalbend.edu">juanita@coastalbend.edu</a></p>

*We wish you all the best in your education and encourage you to contact us if you have any questions or concerns.*

*Keeping student success in sight, faculty in each of the courses will review with students, course information with specific reading schedules, assignments, and testing information during the first week of class. Additionally, the course information will be posted to Blackboard (THECB 60x30TX compliance).*

**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, 2<sup>nd</sup> 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		



**Technical Support:**

Email Support:	<a href="mailto:helpdesk@coastalbend.edu">helpdesk@coastalbend.edu</a> <a href="mailto:cabrigo@coastalbend.edu">cabrigo@coastalbend.edu</a> <a href="mailto:ycharles@coastalbend.edu">ycharles@coastalbend.edu</a>
Telephone Support:	<b>866-722-2838 ext. 2508 (Toll Free)</b> <b>361.354.2508 (Direct Line)</b>
<a href="#">Live Chat:</a>	<b>Fall/Spring Hours: Monday-Thursday 8 a.m. to 8 p.m.; Friday 8 a.m. to 5 p.m.</b> <b>Summer Hours: Monday-Thursday 7 a.m. to 6 p.m.</b>

**Tutoring Services:** Coastal Bend College offers free tutoring services to all CBC students who need academic assistance. Services include One-on-One, Group, and Online tutoring to all current CBC students. The Tutoring Coordinator’s office is at CBC-Beeville in the Student Success Center (SSC), Room 140 which is in the R.W. Dirks building. The SSC’s hours of operation are Monday -Thursday from 8 am – 8 pm. Tutoring services are also available at all the CBC site locations and students can visit the site’s SSC. For questions regarding tutoring services, please contact the CBC Tutoring Coordinator at (361) 354-2838 ext. 2578 or visit us at our website at: <http://coastalbend.edu/tutoring/>.

Beeville	Alice	Kingsville	Pleasanton
3800 Charco Road Beeville, TX 78102 1-866-722-2838	704 Coyote Trail Alice, TX 78332 1-866-891-2981	1814 Brahma Blvd. Kingsville, TX 78363 1-866-262-1615	1411 Bensdale Pleasanton, TX 78064 1-866-361-4222

**Grady C. Hogue Learning Resource Center (Library):** Located on the Beeville campus, the operation hours are Monday - Thursday 8:00 a.m. - 6:00 p.m.; Friday 8:00 a.m.- 5:00 p.m.

(Summer semesters will observe the CBC campus operation hours.) For locations and hours of CBC library in Alice, Kingsville, and Pleasanton sites please visit the library web page links below.

Grady C. Hogue Learning Resource Center (Library): <http://lrc.coastalbend.edu/about>

Online Catalog : <http://lrc.coastalbend.edu/catalog>

Library Website: <http://lrc.coastalbend.edu/about>

Hours and Locations: <http://lrc.coastalbend.edu/hours>

Pleasanton Public Library: <https://pleasanton.biblionix.com/>

115 N. Main St., Pleasanton, TX 78064

Monday – Friday 9:00 a.m. – 6:00 p.m.

Saturday 9:00 a.m. – 1:00 p.m.



**Financial Aid:** Resources are available for students for financial aid, work study, and veteran benefits. For additional information, visit our website at [www.coastalbend.edu/finaid](http://www.coastalbend.edu/finaid) or contact us at 361-354-2238. Office hours: Monday-Thursday 7-6 and Friday 8-5 (*THECB 60x30TX compliance.*)

**ADA Statement:** No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the College District, or be subjected to discrimination by the College District. Nor shall the College District exclude or otherwise deny equal services, programs, or activities to an individual because of the known disability of an individual with whom the individual is known to have a relationship or association. 42 U.S.C. 12132; 28 CFR 35.130(g).

See at: [GA \(Legal\)http://pol.tasb.org/Policy/Download/155?filename=GL\(LEGAL\).pdf](http://pol.tasb.org/Policy/Download/155?filename=GL(LEGAL).pdf)

**Students with Disabilities:** Please notify your instructor of any modification/adaptation you may require to accommodate a disability-related need. You will need to provide documentation to the Director of Student Services so the most appropriate accommodations can be determined. Specialized services are available through the Office of Disability Services (SSB 4.104, 471-6259). For more information contact (361) 354-2300.

**Scholastic Dishonesty:** Each student is charged with notice and knowledge of the contents and provisions of Coastal Bend College's rules and regulations concerning student conduct. All students shall obey the law, show respect for properly constituted authority, and observe correct standards of conduct. Scholastic dishonesty shall constitute a violation of these rules and regulations and is punishable as prescribed by Coastal Bend College Policies [FLB \(Local\)](#) and [FM \(Local\)](#). Scholastic dishonesty shall include, but not be limited to, cheating on a test, plagiarism, and collusion.

**Use of E-mail for Official Correspondence to students:** All students should be familiar with the college's official email student notification policy. Students are expected to check their CBC email on a frequent and regular basis to stay current with college-related communications, recognizing that certain communications may be time-critical. CBC email format: last name with last four digits of social security number [@study.coastalbend.edu](mailto:@study.coastalbend.edu) and password is your student ID (ex. [cougar1234@study.coastalbend.edu](mailto:cougar1234@study.coastalbend.edu)).

**Copyright Law and Intellectual Property Rights Policy:** Copyright is the right of an author, artist, composer or other creator of a work of authorship to control the use of his or her work by others. Protection extends to literary works, musical works, dramatic works, pantomimes and choreographic works, pictorial and graphic works, sculpture, motion pictures and other audiovisual works, sound recordings and architectural works. Generally speaking, a copyrighted work may not be reproduced by others without the copyright owner's permission. The public display or performance of copyrighted works is similarly restricted. Generally, the unauthorized reproduction, performance or distribution of a copyrighted work is copyright infringement and may subject the infringer to civil and criminal penalties. The Fair Use Doctrine outlines exceptions to this Law and is outlined in Coastal Bend College Policy, [CT \(Legal\)](#).

Coastal Bend College



Coastal Bend College, its faculty, students and employees must comply with Copyright Law. Detailed information on Copyright Law and Intellectual Property Rights is available in Coastal Bend College Policy [CT \(Legal\)](#) and [CT \(Local\)](#).

Questions regarding this information should be directed to the Director of Library Services at: [library@coastalbend.edu](mailto:library@coastalbend.edu) or the Office of Marketing and Public Relations at: [socialmedia@coastalbend.edu](mailto:socialmedia@coastalbend.edu).

**Intellectual Property: Student /Third Party Works:** Rights to copyrightable or patentable works created by a student or a third party, that is, not a College District employee, shall reside with the author/ creator. Detailed information on Copyright Law and Intellectual Property Rights is available in Coastal Bend College Policy [CT \(Legal\)](#) and [CT \(Local\)](#).

Questions regarding this information should be directed to Library Services at: [library@coastalbend.edu](mailto:library@coastalbend.edu).

**NOTE:** The College website ([www.coastalbend.edu](http://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.