



**Course Syllabus**  
**Human Disease / Pathophysiology MDCA1302**

**\*\*\*\*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@coastalbend.edu

**Course Description:** A study of anatomy and physiology with emphasis on human pathophysiology, including etiology, prognosis, medical treatment, signs and symptoms of common diseases of all body systems.

**Semester Hours Credit:** 3

**Lecture Lab Hours:** 2 / 4

**Prerequisite:** none

**Recommended:** HITT1305 Medical Terminology

**Text:** Neighbors, Marianna and Tannehill-Jones, Ruth *Human Diseases: 4<sup>th</sup> edition*, Cengage Learning; ISBN: 978-1-2850-6592-2

**End of Course Outcomes:**

Upon successful completion of this course the student will:

1. Distinguish between normal and abnormal physiologic functions of all body systems
2. Identify etiology, signs, and symptoms, and diagnostic testing of typical diseases of all body systems
3. Correlate prognosis, medical treatment, and treatment procedures with patient morbidity and mortality.

**Evaluation Methods:**

1. Exams
2. Classroom activities
3. Online assignments
4. Laboratory Exercises

**Student Learning Outcomes: Lecture**

The student will demonstrate the ability to use *inquiry, and analysis, evaluation and synthesis of information* in gathering information concerning human disease in terms of its etiology, pathophysiology, epidemiology, diagnostic tests and present this data in a report that also draws conclusions about the prognosis of the course of treatment for that disease.

**Assessment:**

The assessment will be done by the preparation of a written report that discusses a disease in terms of its etiology, pathophysiology, epidemiology, diagnostic tests and contains conclusions about the prognosis for treatment for that disease.



**Target:**

At least 90% will present a report that is evaluated at 75% or greater in terms of completeness of information and validity of conclusions in the paper.

**Student Learning Outcomes: Lab Work**

The student will demonstrate knowledge of the basic lab tests and diagnostic procedures used in the diagnosis of human disease to support their ability to think critically in the understanding of diseases and their manifestations in humans.

**Assessment:**

The assessment will be done by a test over the meaning and use of basic diagnostic and related procedures.

**Target:**

At least 90% will score present at 75% or greater on test over the meaning and use of diagnostic and related procedures.

Detailed Syllabus –

Here is also a 3-5 page research paper done which will use information from medical sources to document the diagnostic process, clinical definition and treatment for a selected disease.

	Topic {Anatomy and Physiology also includes Signs and Symptoms}	Topic {Diseases also includes testing, treatment, and prognosis}	Assignments / Assessments
1.	Introduction	Causes of Disease and Cellular response	<i>Each Chapter:</i>
2.	Neoplasms	Inflammation and Infection	1. Short Glossary Question 2. Thinking Discussion Question
3.	Diseases of Immune System /Anatomy and Physiology	Anatomy, Physiology, Testing for Musculoskeletal System	<i>Major Tests</i>
4.	Diseases of Musculoskeletal System	Diseases of Blood and Blood Formation	Every 7 Chapters a Module test {3 in all}
5.	Cardiovascular Anatomy and Physiology	Diseases of Cardiovascular System	Final – Based on Module Tests.
6.	Respiratory Anatomy and Physiology	Diseases of Respiratory System	Laboratory – Each week there are two lab assignments based upon reading the chapter.
7.	Lymphatic System Disease	Digestive system Anatomy and Physiology	
8.	Disease of Digestive System	Liver, Gallbladder, Pancreatic Diseases	



9.	Urinary System Anatomy and Physiology	Urinary System Diseases	
10.	Endocrine System Disease	Nervous System Disease	
11.	Eye Anatomy, Physiology and Disease	Ear Anatomy, Physiology and Disease	
12.	Reproductive Anatomy and Physiology	Reproductive System Disease	
13.	Integumentary Anatomy and Physiology and Disease	Genetic and Developmental Disease	
14.	Childhood Diseases and Disorders	Mental Health Disease and Disorder	

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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](mailto:sdalice@coastalbend.edu); Beeville at [sdbeeville@coastalbend.edu](mailto:sdbeeville@coastalbend.edu); Kingsville at [sdkingsville@coastalbend.edu](mailto:sdkingsville@coastalbend.edu); and Pleasanton at [sdpleasanton@coastalbend.edu](mailto: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](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.