

Semester Information

BSC 2085-202501-CRN 14496 - Web Course

3 credit hour course – Spring 2026

Co-requisite: 2085L

Course is taught fall, spring and summer semesters

Contact Information

INSTRUCTOR: Dr. Ashraf Kamel, MD **OFFICE:** NS215

PHONE: 850-769-1551-ext.-2866

EMAIL: ahanafy@gulfcost.edu

Division Chair: Fledia Ellis-850-872-3848

Kathy Bleday- Admin. Assistant 850-872-3851

Course Materials and Resources

- Computer with a web-cam

Internet service with a speed high enough to stream videos

- Textbook: Principles of Anatomy and Physiology by G. Tortora and B. Derrickson, 16th Edition, published by Wiley. You may use an older edition if you have one.
- Canvas: Contains the syllabus, video lessons, review sheets, power points, weekly quizzes, special projects and exams. Note: chrome books and iPads do not work well with Respondus Monitor. If you use these computers to view course materials you will not be able to use them for exams.

Curriculum

Course description

A study of chemistry, cells, tissue, the integument, the skeletal system, the muscular system, the nervous system. Structure and function taught concurrently. This course is not intended for biology majors. Satisfactory completion of BSC 1020 or high school biology during the last 5 years is strongly recommended.

Method of Instruction

This course is a web class and the method of instruction is primarily a self-study one with the aid of videos, power points, review sheets and reading the textbook. This is not a self-paced course. All

participating students are expected to demonstrate sufficient self-discipline and self-motivation in order to follow the weekly study schedule and to complete the assigned work for each unit. For each unit, the student should follow the steps outlined below:

- Read the chapter in the textbook for the topic you are about to study
- As you view the video lesson, write down notes in a notebook you have set aside for this course
- Answer the review questions pertaining to the chapter studied (use questions as a pre-test)
- Take the chapter quiz after you have studied the material
- Move on to the next chapter

BROAD COURSE GOALS:

Prepare the student for a career in a health-related profession by:

Teaching the essentials of human anatomy (structure) and physiology (function) through lectures, Power Point presentations, and discussion sessions.

Teaching the basic concepts of chemistry as they relate to the structure and function of the human body.

Strengthening health related occupational skills by comparing normal human anatomy and physiology with changes occurring during disease processes.

Keeping students informed about contemporary research accomplishments related to human anatomy and physiology.

Providing students precise Course Learning Outcomes (Course Objectives/Study Guides) in Canvas (the course management system used at GCSC).

APPROVED STUDENT LEARNING OUTCOMES:

Body Plan & Organization- Students who have completed this section of the course should understand the scope of studies in anatomy and physiology and be able to use and understand descriptive anatomical and directional terminology.

Homeostasis- Students who have completed this section of the course should be able to explain the basic concept of homeostasis and how homeostatic mechanisms apply to body systems.

Chemistry & Cell Biology- Students who have completed this section of the course should understand chemical concepts related to the structure and function of human cells and be able to identify cellular structures and explain their respective functions.

Cellular Respiration- Students who have completed this section of the course should understand how ATP energy is produced in the body and how that energy is used for cellular processes.

Histology- Students who have completed this section of the course should be able to describe the basic tissues of the body and their location and explain their functions.

Integumentary System- Students who have completed this section of the course should be able to identify and describe the major gross and microscopic anatomical components of the integumentary system and describe the functions of the system.

Skeletal System & Articulations- Students who have completed this section of the course should be able to identify and describe the major gross and microscopic anatomical components of the skeletal system and explain their functional roles in osteogenesis, repair, and body movement.

Muscular System- Students who have completed this section of the course should be able to identify and describe the major gross and microscopic anatomical components of the muscular system and explain their functional roles in body movement, maintenance of posture, and heat production.

Nervous System- Students who have completed this section of the course should be able to identify and describe the major gross and microscopic anatomical components of the Nervous System and explain their functional roles in sensory, integrative and motor functions of the body.

Student Expectations of the Instructor

My office hours are flexible. I am on campus Monday through Friday 7:30 a.m. to 3:30p.m. Email or call me for an appointment to discuss course materials or concerns.

fellis@gulfcoast.edu

850-872-3848

All emails and phone calls will be responded to in 24-48 hours. If contacted over the weekend, I will respond on Monday morning.

Canvas is the learning management system used in this course. It is used for streaming video lessons, viewing power points, receiving review questions, receiving projects when assigned and taking quizzes and exams.

Expectation of The Student

Academic Integrity Policy:

Honest participation in academic endeavors foster an environment in which optimal learning can take place and is consistent with the college's mission. Academic misconduct, including cheating or plagiarism is destructive to the spirit of an educational environment and therefore will not be tolerated. "Cheating" includes but is not limited to use any unauthorized assistance in completing course work. "Plagiarism" includes but is not limited, the use by paraphrase of direct quotation of the published or unpublished work of another person without full and clear acknowledgement. Sanctions for incidences of academic misconduct, depending on the severity of the incidence and/or its repetition, may range from

receiving and F grade (or zero) for the test, assignment or activity, to failure of the course, to suspension or dismissal from the program or the college.

SPECIAL NEEDS AND ACCESSIBILITY STATEMENT (SAR)

Gulf Coast State College supports and inclusive learning environment for all students. If there are aspects of the instruction or design of this course that hinder your full participation, reasonable accommodations can be arranged. Prior to receiving accommodations, you must register with Student Accessibility Resources. Appropriate academic accommodations will be determined based on the documented needs of the student. For information regarding the registration process, email sar@gulfcoast.edu or call 850-747-3243.

LECTURE RECORDING POLICY

In accordance with federal and state privacy laws, students may record class lectures for their own personal educational use, in connection with a complaint to the college, or as evidence in internal or external legal proceedings. Students may not publish or upload the recordings or any components thereof without the knowledge and written permission of the faculty member. Failure to obtain permission to publish could lead to the students' having to pay damages, attorney fees, and court costs. For more information about what can be recorded, please see the guidelines in the current Student Handbook on the Gulf Coast State College website.

ATTENDANCE AND WITHDRAWAL POLICY:

Regular class attendance (weekly log in to campus) and participation are significant factors that help to promote success in college. Students are expected to log into canvas to watch course videos and complete weekly assignments. Students who have not logged into canvas and complete weekly assignments by the no show deadline (SEE CURRENTCOLLEGE CATALOG) will be removed from the course as a "no show".

Any student withdrawals after the no show deadline but before the withdrawal deadline (see current college catalog) will receive a GRADE OF "W". As a college student, you must accept the responsibility to acquire the information you will need to become successful in your chosen career.

A STUDENT CANNOT VOLUNTARILY WITHDRAW OR BE WITHDRAWN BY AN INSTRUCTOR AFTER The published withdrawal deadline*. THEREFORE, IF YOU ARE ENROLLED IN THIS COURSE AFTER the published deadline. YOU WILL RECEIVE A FINAL COURSE LETTER GRADE (A, B, C, D, or F) BASED ON YOUR EXAM PERFORMANCES.

PLEASE NOTE: A WITHDRAWAL AFTER THE DOCUMENTED DEADLINE MAY BE GRANTED ONLY FOR SPECIAL CIRCUMSTANCES BY CONTACTING THE DEAN OF STUDENT ENGAGEMENT (850-769-1551 Ex. 3211).

AS PER THE COLLEGE CATALOG: Two withdrawals are permitted per credit course. After that, a grade will be assigned. Please be concerned about withdrawals. When admitting students into certain programs, universities may calculate withdrawals as grades. It is your responsibility to verify the

effects of enrollment and/or withdrawal upon your financial assistance (financial aid, scholarships, grants, etc.).

MEASURE OF STUDENT PERFORMANCE

Each student is evaluated by their performance on chapter quizzes, six (6) exams, and a final exam. The average of the six-unit exams will count for 60% of the course grade, the weekly quizzes will count for 20%, and the final exam will count for 20% of the course grade.

The lowest 3 quiz grades and the lowest unit test grade will be dropped. The final exam grade is not a drop grade.

If a student misses an exam with documented medical excuse or documented military service, a makeup exam will be given.

The grading scale is: A = 89.5 – 100, B = 79.5 - 89, C = 69.5 - 79, D = 59.5 - 69, F = below 59.5.