COURSE SYLLABUS
BSC 2085 - HUMAN ANATOMY & PHYSIOLOGY–I
SECTION – 10269

CREDIT HOURS: 3; Lecture hours: 3

COREQUISITE: BSC2085L or consent of Natural Sciences division chair

INSTRUCTOR: Dr. Dana Hutchinson, PT, DPT OFFICE: NS-A119

PHONE: 850-769-1551-ext.-2859

EMAIL: dhutchin1@gulfcost.edu

Division Chair: Ms. Fledia Ellis - NS-A112, Phone-850-872-3848

Division Administrative Assistant: Kathy Bleday - NS-A115, Phone-850-872-3851

TEXT: ***Principles of Anatomy and Physiology*** by G. Tortora and B. Derrickson, 16th edition, 2021. Wiley, Publisher. ISBN 97811196622686 (Prin Anat & Physio Loose-Leaf W/WileyPlus Canvas Set).

Optional materials – Medical dictionary

COURSE DESCRIPTION:
A study of chemistry, cells, tissue, the integument, the skeletal system, the muscular system, the cardiovascular system, and the respiratory system. Structure and function taught concurrently. This course is not intended for biology majors. Satisfactory completion of BSC1020 or high school biology during the last 5 years is strongly recommended.

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.

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.

Cardiovascular 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 cardiovascular system and explain their functional roles in transport and hemodynamics.

Respiratory 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 respiratory system and explain their functional roles in breathing/ventilation and in the processes of external and internal respiration.

INSTRUCTOR AVAILABILITY: Instructor will be available outside of class for 10 student office hours each week. Instructor's Office Hours will be posted outside the office and on Canvas. You should expect a response to an E-mail or phone call within 1 business day Mon.-Thurs.

CANVAS ACCOUNT (LEARNING MANAGEMENT SYSTEM): Mandatory in order to have access to lecture PowerPoint presentations, announcements, assignments, animations, emails, and any posted grades. It is the responsibility of the student to notify their instructor before the end of the first week of classes if they do not have access to the material in Canvas. **For help, contact the Help Desk at 850-913-3303, or extension 3303 from on campus.**

ACADEMIC INTEGRITY POLICY:

Honest participation in academic endeavors fosters 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 of any unauthorized assistance in completing course work. "Plagiarism" includes, but it not limited to, the use by paraphrase or direct quotation of the published or unpublished work of another person without full and clear acknowledgment. Sanctions for incidences of academic misconduct, depending on the severity of the incidence and/or its repetition, may range from receiving an 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.

ACCESSIBILITY STATEMENT:
Gulf Coast State College supports an 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 POLICY:
Regular class attendance and participation are significant factors that help to promote success in college. Students are expected to attend all class meetings of all courses for which they are registered. In this class, attendance and participation at each session will be essential for succeeding in the course. You will be expected to sign a class role in each class period to record your participation. **THERE WILL BE AN ATTENDANCE POLICY IN THIS COURSE AND ENFORCED. YOU WILL BE ALLOWED 4 ABSENCES (EXCUSED OR UNEXCUSED) PRIOR TO WITHDRAW DATE (PER COLLEGE CALENDER) YOU WILL BE WITH-DRAWN AFTER YOUR 5TH ABSENCE IN THIS COURSE IF IT OCCURS BEFORE (EXCUSED OR UNEXCUSED) AND YOU 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.

PLEASE NOTE: IT IS THE POLICY OF GCSC THAT YOU WILL BE WITHDRAWN AND BE CLASSIFIED AS A NO-SHOW (NS) IF YOU ARE ABSENT FROM THE FIRST 4 CLASSES.

WITHDRAWAL PROCEDURE (OTHER THAN FOR EXCESSIVE ABSENCES): Students wishing to withdraw from a course must complete a withdrawal form and submit the form to the Office of Enrollment Services before the scheduled withdrawal date as published on the college calendar. Student withdrawals initiated prior to the scheduled withdrawal deadline per college calendar will be recorded as a grade of "W".

A STUDENT CANNOT VOLUNTARILY WITHDRAW OR BE WITHDRAWN BY AN INSTRUCTOR AFTER THE WITHDRAWAL DATE. THEREFORE, IF YOU ARE ENROLLED

IN THIS COURSE AFTER WITHDRAWAL DATE YOU WILL RECEIVE A FINAL COURSE LETTER GRADE (A, B, C, D, or F) BASED ON YOUR EXAM PERFORMANCES.

PLEASE NOTE: A WITHDRAWAL AFTER* WITHDRAWL DATE *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.).

ASSESSMENT: All exam questions will come from the PowerPoint presentations used in class (also on Canvas) and other material which is covered or assigned in class. Questions may include multiple choice and matching type formats as well as short answer and discussion questions. Questions will be designed to evaluate understanding and application of the course material.

There will be five (5) unit exams covering material indicated in the **Class Schedule** (See **Class Schedule** for exam dates). Each unit exam will have 50 questions (worth 100 points total), 5 bonus questions (worth 5 points total), and will be returned for review. **The unit exam grades will represent 70% of your course grade**. The final exam will have 100 questions made up of 50 questions from the last "lecture unit" (cardiovascular/ respiratory systems) plus 50 comprehensive questions from the other unit exams and will count 100 points. **The final exam grade will represent 30% of your course grade.** There are no exemptions from the final exam. The final examination schedule can be found in the GCSC website (Academic Calendar) and in the Class Schedule included in this syllabus. The final exam is not returned but is kept in the instructor's office if you want to review it. Questions on the final will have changes from the original unit exam questions that will further evaluate understanding of the material.

There will be an opportunity to earn a maximum of 10 additional "bonus points" that will be added to your unit exam average at the end of the semester. You will be given more information and instructions about this component of the course on the first day of class

GRADING POLICY: NO EXAM GRADE WILL BE DROPPED. However, at the end of the course, your lowest test grade will be replaced by your numerical grade on the final exam (if it is higher than your lowest unit test grade). The 5 unit exams count as 70% of your semester grade, and the final exam counts as 30% of your semester grade. **MAKE-UP EXAMS ARE GIVEN *ONLY* IF YOU MISS A SECOND EXAM AND YOU HAVE A LEGITIMATE DOCUMENTED EXCUSE ACCEPTED BY THE INSTRUCTOR. THEREFORE, IF YOU MISS AN EXAM FOR ANY REASON, YOU WILL RECEIVE A GRADE OF "0" ON THAT EXAM. HOWEVER, WHEN CALCULATING YOUR COURSE GRADE AT THE END OF THE SEMESTER, YOUR NUMERICAL GRADE ON THE FINAL EXAM WILL REPLACE THE "0" GRADE OF A MISSED EXAM.** The grading scale is: A = 89.5 – 100, B = 79.5 - 89, C = 69.5 - 79, D = 59.5 - 69, F = below 59.5.

MAKE-UP WORK (OTHER THAN EXAMS): It is your responsibility to monitor the class schedule (found in this syllabus) to identify any material you may miss due to an absence. Contacting classmates may also be helpful. The instructor will e-mail all students if there is some special assignment or change in the schedule. Students expecting to be absent due to college business should notify the instructor before they miss a class to discuss any assignments. **As noted above, make-up exams will be given only if two or more of the period-long unit exams are missed due to a documented excused absence.**