Human Anatomy and Physiology - 1 (BSC2085, 3 credits)

Instructor: Dr. Andrew A. Thompson

Office: Ocala Campus - 2-217G, Office hours - posted on door.

Phone: 352-873-5800, (ext. 1439).

Email: thompsoa@cf.edu

Please allow 24 hours for a response Monday morning through Friday afternoon and up to 48 hours for a response Friday through Sunday evening. Scheduled holidays may extend the response time. However, during the week I generally check my e-mail periodically throughout the day so the majority of responses should be quicker.

Extended Emergency Closure

For emergency campus closings (natural disasters etc.) call (352) 291-4499 or 800-831-9244 or check our website www.cf.edu.

Course Description and Objectives

This course is designed for students in health-related programs. It consists of online Lectures (with notes and power points available) that focus on understanding the structure and functions of the human body, beginning with the general organization of the body (the chemical, cellular and tissue levels of organization) and then a more specific examination is made of the following systems (integumentary, skeletal, muscular, nervous system and special senses). You will be tested on application of your knowledge and problem-solving skills.

Please look at the CF catalog for further description and prerequisites.

About your Instructor

By way of introduction, Dr. Andrew Thompson, is a retired chiropractor, after 27 years 25 of which were here in Ocala, I retired from active practice as a chiropractic physician in 2012. I earned as BS degree from Michigan State University (GO Spartans!), an MS degree from Georgetown University, and a DC degree from Logan College. I have been teaching here at CF for the past 22 years, courses include A&P 1&2, and Microbiology. Any information I relay to you is for educational purposes only and should not be construed as Medical/Chiropractic Advice, please see your personal physician/health care provider for such.

Instructor's Expectations of Students

All students are expected to have an active interest in the course and to participate in the presentation of each topic. **The pace of this course is rapid**; we will cover approximately 1-2 chapters a week in lecture sessions (on line) and each exam will cover several chapters. You

must read and prepare ahead of time for each of the class topics prior to the tests to be successful, so be sure to pay attention to time management. Because of the nature of the material and the thought processing required to understand topics covered in this course, you will need to keep up with your reading/studying to be successful in this course. The instructor is a facilitator who will assist student learning; it is the responsibility of the student to actively seek understanding of the material.

Attendance Policy

Being an online class there is no attendance per se, however attendance verification for financial aid is accomplished by your participation in the initial discussion forum (so be sure to do this assignment).

Text

Martini, Nath, Bartholomew, 2018; Fundamentals of Anatomy and Physiology, 11th edition. Pearson, Inc. ISBN-13: 9780134810423 (verify with bookstore)

Technology requirements:

This course is in a online format, therefore computer access is a must. Lectures and assessments will be on-line, using canvas, the college's course management system.

This course is presented on-line, to help you answer the question - Is online learning right for you? See the E-Learning self-test.

Course Grade

The course grade will consist of tests, quizzes, clinical case studies, discussion forums and Cumulative / Comprehensive Midterm (test-3) & Final Exams. Total points possible = 500. Assignments/assessments will occur online. It is the students responsibility to complete all assignments by their due dates/time! The Midterm (test-3) and the Final Exam are proctored tests where you must make arrangements to take at an on campus testing center or with an online proctoring service (honor lock).

Point structure for course:

Test-1 - 25 points Quiz-1 - 15 points Quiz-4 - 15 points

Test-2 - 25 points Quiz-2 - 15 points Quiz-5 - 15 points

Test-3 - 100 points Quiz-3 - 15 points Quiz-6 - 15 points

Test-4 - 25 points Clinical Case Study 1 - 20 points Discussion Forum 1 - 5 points

Test-5 - 25 points Clinical Case Study 2 - 20 points Discussion Forum 2 - 10 points

Test-6 - 25 points Clinical Case Study 3 - 20 points Discussion Forum 3 - 10 points

Final Exam - 100 points

How tests and other assignments are evaluated:

Tests, Exams, & Quizzes - by percentage of correct answers

Clinical Case Studies & Discussion assignments - by quality, content, and accuracy.

It is the student's responsibility to complete all work by the assigned due dates & times.

"Extra Credit" Other than the optional assignments on the publishers web-site there will be no extra credit. Any extra time you may have should be spent in further study to understand the concepts you are having difficulty understanding.

Grading Scale: (point cut-off for grade level at end of course)

A = 90 - 100% = 447.5

B+ = 87 - 89 = 432.5

B = 80 - 86 = 397.5

C+ = 77 - 79 = 382.5

C = 70 - 76 = 347.5

D = 60 - 69 = 297.5

F = 0 - 59 < 297.5

More on Grades:

The instructor doesn't give you a grade he/she awards you the grade you earn! There will be no posting of grades except as provided for on canvas (Note: the Canvas Grade-Book does not include the optional Pearson extra-credit assignments until the end of the semester, but it does generally display a close representation of your grade at any given time, students can always contact me to get a more accurate estimate as to how their grade is progressing).

Course Content:

Refer to chapter descriptions in textbook.

Course Schedule:

The modules are to be completed in sequence, and will become available according to the schedule below. Of course you are free to work ahead by reading in the textbook, but the modules will only be available according to this schedule. It is the students responsibility to complete all on-line Quizzes & Assignments by their due dates.

Module - unit-1, week-1 --- will be open on 1/9/23

Module - unit-1, week-2 --- will be open on 1/12/23

Module - unit-1, week-3 --- will be open on 1/19/23

Module - unit-2, week-4 --- will be open on 1/26/23

Module - unit-2, week-5 --- will be open on 2/2/23

Module - unit-3, week-6 --- will be open on 2/9/23

Module - unit-3, week-7 --- will be open on 2/16/23

Module - unit-3, week-8 --- will be open on 2/23/23

Module - unit-4, week-9 --- will be open on 3/2/23

Module - unit-4, week-11 --- will be open on 3/9/23

Module - unit-5, week-12 --- will be open on 3/23/23

Module - unit-5, week-13 --- will be open on 3/30/23

Module - unit-5, week-14 --- will be open on 4/6/23

Module - unit-6, week-15 --- will be open on 4/13/23

Module - unit-6, week-16 --- will be open on 4/20/23

Due to unforeseen happenings, it may be necessary for the course assignment schedule to be altered. The instructor will always strive to be fair about any changes.

INSTITUTIONAL LEARNING OUTCOMES:

Becoming an educated individual sets you apart from the general public as one who has obtained a base of knowledge and skills that allows you to function in society at a higher level. As an institution of higher learning by the certificates and degrees we issue, we essentially certify that certain individuals have attained a specific level of knowledge. Therefore the sequences of courses we offer are planned to meet the requirements for said certification. So when you arrive at Anatomy and Physiology (one of the basic science classes in certain Health Occupation

Programs) you have generally completed coursework in composition, math, humanities, etc., it is therefore expected that you possess certain abilities in reading, writing, and mathematics. So while in anatomy and physiology I do not teach writing or math skills, these areas will be needed to understand what is taught and to express that understanding. That being said the Institutional Learning Outcomes (ILOs) listed below are to some degree only covered in this course in a secondary manner. The primary outcome for this course is to obtain a level of knowledge in the science of anatomy and physiology and in doing so developing critical thinking skills will be important. Therefore the analytical/critical thinking component of the ILOs is really the primary component covered in this course.

Course-related Institutional Learning Outcomes & Assessment Methods

Human Anatomy & Physiology – BSC2085

Institutional Learning Outcomes	**Quiz**	**Exam**	**Project/paper**	**classroom activity**	**service learning**
1. State question at issue.			X	**X**	
2. Identify purpose of argument.			X	X	
3. Identify the ideas and concepts, information and data, and the use of such in the argument.			X	X	
4. Identify assumptions, bias, and point of view of information presented.			X	X	
5. Create plausible solutions and implications of solutions.			X		
Communication: The student will read, write, speak, and listen effectively.					
1. Read materials and effectively understand essential facts and concepts.	**X**	**X**	**X**	**X**	
2. Write an organized document that communicates effectively and appropriately for the situation.			X	X	
3. Listen actively to comprehend main ideas and essential details.				X	
Quantitative and Analytical Reasoning: The student will understand and apply mathematical and scientific principles and methods.					
1. Perform accurate computations using order of operations with and without technology.	X	X	X	X	

2. Identify and organize relevant information and complete the solution of an applied problem.	X	X	X	X	
3. Interpret and communicate understanding of visual representations of data.	X	X	X	X	
4. Demonstrate mathematical number sense and unit sense.			**X**	**X**	
Global Socio-Cultural Responsibility: The student will be an informed and responsible citizen in social, cultural, and global matters.					
2. Identify scientific principles underlying human influence upon the Earth and its inhabitants.				X	
Computer & Information Skills: The student will be able to evaluate the importance of technology and its applications.					
2. Access, research, and retrieve information using the Internet.			X		