

Anatomy and Physiology I

BSC 2085

Course Description: This course is the first of a two-semester sequence in which students examine human anatomy and physiology through a systems approach based on the interaction between form and function, from the microscopic components of cells and tissues to the organismal level. Emphasis is placed on histology and the integumentary, skeletal, muscular, and nervous system. Some of the information from this course will provide students with background information that will be used in Anatomy and Physiology II (BSC 2086). This course will be taught face to face in HCB 101. The lesson PowerPoints will be released at least one day before the class session for that lesson – you can find these lesson PowerPoint files in the Modules section on Canvas. Unannounced in class quizzes will be given in class and Connect Online Assignments will be announced in class (and posted on Canvas - with the due time and date stated on the announcement.)

Pre-Requisites: It is highly recommended that you have completed both Biological Science I (BSC 2010) and Survey of General Chemistry (CHM 1030) before enrolling in Anatomy & Physiology I. If you have not taken BSC 2010 and CHM 1030, please see me and contact your advisor.

Student Learning Outcomes:

- students will identify cell structures and describe their functions
- students will distinguish tissues by structure, location in the body, and contrast their normal physiology
- students will demonstrate an understanding of anatomical structure, organization of the body, cavities, planes, and directional terms
- students will identify and describe structures of integumentary, skeletal, muscular, and nervous systems
- students will interpret the functions of the integumentary, skeletal, muscular, and nervous systems
- students will explain how the components of the human body maintain homeostasis
- students will analyze and interpret physiological data

COURSE OBJECTIVES:

At the end of the semester, students will be able to:

- describe the basic structure found within cells
- describe the basic components, functions, and interactions of the integumentary, skeletal, nervous, and muscular system
- explain how homeostasis is regulated by cells, tissues, and organs of the integumentary, skeletal, nervous, and muscular system
- describe how aging affects the integumentary, skeletal, nervous, and muscular system

In addition, this course has been approved for the Liberal Studies disciplinary requirement of Natural Science and helps you become an effective interpreter of scientific results and a critical analyst of claims about the natural world, and thus helps you to:

- Pose questions of hypotheses based on scientific principles
- Use appropriate scientific methods and evidence to evaluate claims or theoretical arguments about the natural world
- Analyze and interpret research results using appropriate methods

COURSE ASSIGNMENTS AND EVALUATION:

Grades will come from three sources:

- **Exams:** Four unit exams and a final that will include a cumulative component. The first four unit exams will contribute 15% towards the student's final grade. The final exam will contribute 20% towards the student's final grade. As a whole, the exams will account for 80% of the student's grade. Students are allowed to drop their lowest unit exam grade. If the student opts to drop a unit exam, then each of the three remaining unit exams will be worth 18% and the final exam will be worth 26% towards the final grade. Exam questions will be pulled

primarily from the class lectures (some questions may be pulled from your online assignments). Exam questions can include: multiple choice, True/False, fill-in-the blank, and short essays. The exam days and times are posted in the Syllabus Course Schedule. If you miss an exam because of a valid excuse (please refer to the section on the University Attendance Policy.) you will need to contact Yung Su within 24 hours so you can be scheduled to take a make-up exam during the make-up exam date. **Failure to take the make-up exam will result in a zero for the exam (unless your valid excuse extends past the scheduled make up exam date).** If you do not have a valid excuse for missing the exam, you can take the make-up exam (please contact Yung Su to determine the make up exam date and time; however, you will be penalized 10% for missing the regular exam date.

NOTE: All make up exams will be of a different format than the regular exam – make up exams will have a greater number of short answer questions compared to the regular exam. The make-up exam schedule is as follows: Make-up Exam 1 – 09/29 from 4:00-5:15PM at KIN 2057, Make-up Exam 2 – 10/20 from 4:00-5:15PM at KIN 2057, Make-up Exam 3 – 11/06 from 4:00-5:15PM at KIN 2057, Make-up Exam 4 – 11/27 from 4:00-5:15PM at KIN 2057. **IMPORTANT:** If you are taking a make up exam, is your responsibility to clear any conflicts so that you can take the make-up exam at the scheduled time.

- **In class quizzes:** In class quizzes will be given throughout the semester. The total points earned from the quiz questions will account for 10% of the student’s final grade. In a typical semester, there are between 18-20 quizzes (not counting extra credit quizzes.) In class quizzes are open-note quizzes and they are unannounced and will cover material covered either by the previous class meeting or material that will be covered that day. So the best way to prepare for the in class quiz is to keep up with the course materials. The quiz may be given during any time during the class period. Each quiz is worth 1 point – 0.75 point will be given for the correct answer and 0.25 point will be given for your participation for that quiz question. Since universal design has been implemented for the quizzes, each quiz question will have a time limit of 2 minutes for all students, including those with OAS accommodations. There may be multiple quizzes given during the class period. If you arrive late or leave class early, you may miss a quiz so make sure you show up to class on time and stay for the entire period. If you have a valid excuse for missing class and miss the quizzes during that class session, it is your responsibility to contact me and make up the quiz once you are cleared to return to class. Failure to do so will result in zeroes for those missed quizzes. Since the quizzes will use the TopHat app/website, students are required to purchase access to TopHat for this course. Please have your TopHat account purchased and registered by the second week of class. At the end of each week, I will synchronize the Canvas server with the TopHat server to update the quiz results on the Canvas gradebook. As stated above, several quizzes may be given during every class meeting to assess your understanding of the lessons and to monitor attendance. If you forget your phone or other internet device and cannot access the TopHat site/app to take the quiz, I will grant you the use of a paper submission for any quizzes that we may have for that one day. The “paper quiz submission” is valid for only one day and can only be used once per semester. **NOTE:** I will create a column on Canvas called Quiz Paper Submission and fill it with “1”. When you use your quiz paper submission for a class period, I will change the value to “0”. This will allow you to keep track of your quiz paper submission. **PLEASE BE AWARE:** Students caught operating more than his/her own device to answer the quiz question will forfeit their opportunity to earn any quiz points for the entire semester. The same penalty will apply to the absent student(s) who permitted another student to operate their device/account. *Each offense will also be considered a violation of FSU’s Academic Honor Policy.*
- **Connect online assignments:** Connect online assignments will be given throughout the semester. The total points earned from the online assignments will account for 10% of the student’s final grade. Each assignment will be **announced on Canvas**. You will be given approximately 1 week to complete the assignment. If you need an extension on an assignment, you must contact me with your valid excuse within 24 hours of the due time/date of that assignment so I can extend the assignment for you. Since you have 1 week to complete the assignment, make ups for these assignments **will not be provided** (unless you have a valid excuse that lasts for the duration of that week or use your one-time extension on that assignment). Remember, if you missed class and there was an announcement about the release of an online assignment, it is your responsibility to ask me or the TAs about what you have missed.
- **One-time extension for Connect online assignments:** Everyone will receive a one-time extension for missing a Connect assignment. To use this extension on a Connect assignment, you will have to email me at ___ within 24 hours **before** the due time and date of the Connect assignment. If you make the request past the 24 hour period, you will not be granted the extension. Exceptions to the one-time extension: 1) the one-time extension can only be used once on a Connect assignment and not any other types of assignments, quizzes, or exams. 2) The one-time extension cannot be used during the last week of class. **NOTE:** I will create a column on Canvas called One-Time Extension and fill it with “1”. When you use your extension, I will change the value to “0”. This will allow you to keep track of your one-time extension. **Addendum:** Make sure you email me your request at least **ONE HOUR BEFORE** the due date/time of the assignment since I will have to process

the request.

Errors or discrepancies in a grade that you have received must be brought to the attention of the instructor within one week of your receiving the grade on Canvas.

UNEXCUSED ABSENCE POLICY:

Students who miss a scheduled quiz, examination or online assignment, or fail to complete an assignment on time without prior approval or verifiable emergency or suitable documentation (e.g., doctor's note) will be assigned a grade of zero. Please refer to the sections concerning those assessments for the make up policies.

UNIVERSITY ATTENDANCE POLICY:

Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holy days, and official University activities. These absences will be accommodated in a way that does not arbitrarily penalize students who have a valid excuse. Consideration will also be given to students whose dependent children experience serious illness. If you miss a class, it is your responsibility to contact the instructor to inform him about making up any missed work. Failure to do so within 24 hours of the missed class will forfeit your opportunity to make up the missed work.

It is highly recommended that you attend class every day. The exams will be based on the material discussed during the lecture. Make sure you arrive on time and are prepared to take notes. Since in-class quizzes are unannounced and will be given throughout the semester, missing class may cause you to miss the in-class quiz. There will be no make-up quizzes for missing a quiz **unless** you have a valid excused absence (see above for the list of excused absences). If you have a valid excuse, you are required to contact the instructor within 24 hours of missing the quiz to schedule to take your make up quiz when you are cleared to return to class. If you fail to do so, you will forfeit your opportunity to make up the missed quiz. The same make up policy will be used for missed exams – if you have a valid excuse, you are required to contact me within 24 hours of missing an exam to schedule for a make up exam. Failure to do so will cause you to forfeit your opportunity to make up the exam. **NOTE: If you do have a valid excuse for missing the quiz/exam, documentation of the excuse will be expected.**

ACADEMIC HONOR POLICY:

The Florida State University Academic Honor Policy outlines the University's expectations for the integrity of students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to "...be honest and truthful and...[to] strive for personal and institutional integrity at Florida State University." (Florida State University Academic Honor Policy, found at <http://fda.fsu.edu/Academics/Academic-Honor-Policy>)

AMERICANS WITH DISABILITIES ACT:

Students with disabilities needing academic accommodation should: (1) register with and provide documentation to the Student Disability Resource Center; and (2) bring a letter to the instructor indicating the need for accommodation and what type. This should be done during the first week of class. This syllabus and other class materials are available in alternative format upon request. For more information about services available to FSU students with disabilities, contact the: Student Disability Resource Center 874 Traditions Way 108 Student Services Building Florida State University Tallahassee, FL 32306-4167 (850) 644-9566 (voice) (850) 644-8504 (TDD) sdrc@admin.fsu.edu <http://www.disabilitycenter.fsu.edu>

NOTE: Due to the live administration of the In Class Quizzes, Universal Design has been utilized to ensure accommodations have been given while maintaining student confidentiality. Therefore all quiz questions will have a duration of 2 minutes to accommodate students. If you have any questions concerning your OAS accommodations, please contact OAS.

FREE TUTORING FROM FSU (in addition to tutors located in the Biology Study Center in KING 1054):

On-campus tutoring and writing assistance is available for many courses at FSU. For more information, visit the

Academic Center for Excellence (ACE) Tutoring Services' comprehensive list of on-campus tutoring options at <http://ace.fsu.edu/tutoring> or contact tutor@fsu.edu. High-quality tutoring is available by appointment and on a walk-in basis. These services are offered by tutors trained to encourage the highest level of individual academic success while upholding personal academic integrity.

SEXUAL HARASSMENT POLICY:

It is the policy of the University that its employees and students neither commit nor condone sexual harassment in any form. <https://knowmore.fsu.edu/title-ix/sex-discrimination-and-sexual-misconduct-policy>

STUDENT ELIGIBILITY FOR AN INCOMPLETE GRADE:

Incomplete ("I") grades will not be assigned, except in the case of exceptional unforeseen circumstances that occur within the last three weeks of the semester and your work has otherwise been satisfactory (C average). Eligibility of an Incomplete will also require the completion of at least 75% of the work in the semester before submission of the Incomplete request.

SYLLABUS CHANGE POLICY:

Except for changes that substantially affect implementation of the evaluation (grading) statement this syllabus is a guide for the course and is subject to change with advance notice.

ACADEMIC SUCCESS:

Your academic success is a top priority for Florida State University. University resources to help you succeed include tutoring centers, computer labs, counseling and health services, and services for designated groups, such as veterans and students with disabilities. The following information is not exhaustive, so please check with your advisor or the Department of Student Support and Transitions to learn more.

CONFIDENTIAL CAMPUS RESOURCES:

Various centers and programs are available to assist students with navigating stressors that might impact academic success. These include the following:

Victim Advocate Program
University Center A, Room 4100
(850) 644-7161
Available 24/7/365
Office Hours: M-F 8-5
<https://dsst.fsu.edu/vap>

Counseling and Psychological Services (CAPS)

Florida State University's Counseling and Psychological Services (CAPS) primary mission is to address psychological needs and personal concerns, which may interfere with students' academic progress, social development, and emotional well-being. The following in-person and virtual (tele-mental health) services are available to all enrolled students residing in the state of Florida:

1. Individual therapy
2. Group therapy
3. Crisis Intervention
4. Psychoeducational and outreach programming
5. After hours crisis-hotline
6. Access to community providers for specialized treatment

Call 850-644-TALK (8255) for more information on how to initiate services.

Counseling &
Psychological Services
250 Askew Student Life Building
942 Learning Way
Tallahassee, Florida 32306
Phone: 850-644-TALK (8255)
Walk-in and Appointment Hours:
M-F 8 am – 4 pm

Services at UHS are available to all enrolled students residing in Florida:
The mission of University Health Services (UHS) is to promote and improve the overall health and well-being of FSU students. UHS provides a coordinated continuum of care through prevention, intervention, and treatment. Services include general medical care, priority care, gynecological services, physicals, allergy injection clinic, immunizations, diagnostic imaging, physical therapy, and a medical response unit. The Center for Health Advocacy and Wellness (CHAW) assists students in their academic success through individual, group, and population- based health and wellness initiatives. Topics include wellness, alcohol and other drugs, hazing prevention, nutrition and body image, sexual health, and power based personal violence prevention. For more information, go to uhs.fsu.edu.

University Health Services
Health and Wellness Center
960 Learning Way
Tallahassee, Florida 32306
Hours: M-F, 8 am – 4 pm