

BSC2085 0I1 – Anatomy and Physiology I

Spring 2026 – A8

Online

Instructor Information

Name: Dr. Juan Guzman, Professor of Anatomy and Physiology

Email: juan.guzman@fgc.edu or through Canvas message. I should respond to your correspondence within one business day.

Office: Building 17, CR 008/office 007

Office Hours: M 11:30-12:00noon /T 2:30-4:00pm/ W 3:00-4:00pm. / TR 2:30-4:00pm

Office Phone: 386-754-4250

Other Available Hours: You can email me at: juan.guzman@fgc.edu.

Virtual Hours: M 2:15-5:00pm / T 9:45-11:30am / W 12:00-2:30pm /TR 9:45-11:30am/Microsoft teams lectures/office 2:30pm

Course Information

BSC 2085

College Credits: 3

Requirements Met: AATR, GE, GEC

General Education Area: Group 1 Science

Prerequisites: Completion of REA0017, ENC0025, and MAT0028 or MGF1100 with a grade of C or better, or ENC0027C and MAT0028 or MGF1100 with a grade of C or better, or score out on appropriate placement test.

Corequisite: BSC2085L

Course Description

The first course in human anatomy and physiology is a survey of the chemistry, structure, and function of the human body to include the following topics: cells and cytology, tissue and histology, the integumentary system, skeletal system, muscular system, and nervous system. The course is designed for students in health-related, biological, and physical education programs.

Required Texts/Learning Resources

Marieb, E., & Hoehn, K. (2018). Human Anatomy & Physiology (12th. Ed.). Pearson (LLF)(w/Mod Mastering Access),), **ISBN:** 9780138244361

Bookstore link

<https://www.bkstr.com/fgcstore/course-materials-results?shopBy=course&divisionDisplayName=%7C&departmentDisplayName=BSC%7CBSC&courseDisplayName=2085%7C2085L§ionDisplayName=012%7CH71&programId=4646&termId=100083533>

White laboratory coat

General Learning Outcome

- **Scientific Reasoning:** Students will apply empirical evidence to evaluate natural phenomena.

Institution Course Learning Outcomes

At the end of the course, you will be able to:

- Demonstrate the ability to identify and evaluate scientific information based on models and methodology to evaluate information
- Demonstrate and apply the scientific method to identify an issue for experimentation
- Demonstrate an understanding of proper lab techniques including the proper use of equipment and materials to facilitate an understanding of the principles of Anatomy and Physiology
- Analyze the data by applying scientific quantitative methods to re-evaluate the experiment
- Interpret, draw conclusion and realize limitations from scientific models and schematic data to develop ideas for an original product
- Demonstrate and apply knowledge of the major concepts in Anatomy and Physiology and integrate the information into a structured understanding and awareness of biological processes and the effect on society.
- Demonstrate Technological abilities by the Utilization of PowerPoint during the regular class presentations.

State Wide 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 understanding of the anatomical structures, organization of the body cavities, planes, and directional terms.
- Students will understand and identify structures of the integumentary, osseous, muscular and nervous system.
- Students will interpret and understand the functions of the skeletal, muscular and nervous systems.
- Student will explain how the components of the human body maintain homeostasis.
- Students will analyze and interpret physiological data.

Critical Dates – Spring 2026

Date	Event
Wednesday, January 12	Spring A16 and A8 classes start
Monday – Wednesday, January 12-14	Add/Drop period for Fall A8
Monday – Friday, January 12-16	Add/Drop period for Fall A16
Monday, January 19	Martin Luther King, Jr. Day – No Classes
Monday, February 9	Spring B12 classes start

Date	Event
Mon. – Wed., February 9 – February 11	Add/Drop period for Fall B12
Monday, February 23	Spring B10 classes start
Monday – Wednesday, February 23-25	Add/Drop period for Spring B10
Thursday, February 20	Deadline for student-initiated withdrawals – A8
Monday, February 16	President’s Day – No Classes
Tue. – Wed., March 3 – March 5	Final Exams – A8
Thursday, March 9	Spring B8 classes start
Thursday – Monday, March 9-11	Add/Drop period for Spring B8
Friday – Friday, March 20-27	Spring Break
Wednesday, April 08	Deadline for student-initiated withdrawals – A16
Wednesday, April 15	Deadline for student-initiated withdrawals – B12
Friday, April 17	Deadline for student-initiated withdrawals – B10
Wednesday, April 22	Deadline for student-initiated withdrawals – B8
Tuesday – Monday, April 30 – May 6	Final Exams – A16, B12, B10, B8

Lecture Grading Policy: (BSC) Evaluations:

Homework	20%
Quizzes	20%
Research Project	20%
Midterm exam	20%
Final exam	20%
Passing grade	70%

Schedule of Class Events

Module	Dates	Topic(s)	Coursework
START HERE	1/12-1/18	- Read the syllabus. - You have to work every day, at least one hour, and have at the end of the week your on-line quizzes and HWs done.	Please enroll in My Lab and Mastering: for you to enroll please watch the following video: https://youtu.be/8w_oUy4IGlg
1	1/19 – 1/25	Chapter 1: Human Body and Orientation: emphasis on Homeostasis, Human body	Enter into My Lab and Mastering and take the

Module	Dates	Topic(s)	Coursework
		organization anatomical terms; and 2 Chemistry: atom structure molecules that can make mixtures; chemical bonds and organic compounds	quizzes and Home Works corresponding to chapters: • 1-2. • You may watch the already recorded lectures on FGC media library. • You can attend voluntary Zoom lectures on Tuesdays and Thursdays at 2:30 pm. •
2	1/26 – 2/01	• Please read chapter 3 Cells, focus on Plasma membrane, membrane transport, cell division; Please make emphasis on classification of connective tissue and glands (Exo and Endo); Please read chapter 5: Integumentary system; Tissues; focus on Structure of the skin. • Please make emphasis on Hair, finger and toe nail structure, Cancer of the skin and classification of burns.	• Chapter 3-4-5 Mastering Quiz • Chapter 3-4-5 Mastering Homework. • You may watch the already recorded lectures on FGC media library. • You can attend voluntary Microsoft teams lectures on Tuesdays and Thursdays at 2:30 pm.
3	2/02 – 2/08	• Please read chapter 6: I Bones and Skeletal tissues; Tissues; Focus Hyaline Cartilage, • Bone structure, classifications of the bones. bones developing and remodeling and repairing. • Please read chapter 7: The skeleton: Axial and Appendicular.	• Chapter 6-7-8 Mastering Quiz • Chapter 7-8-9 Mastering Homework. • You may watch the already recorded lectures on FGC media library. • You can attend voluntary Zoom lectures on Tuesdays and Thursdays at 2:30 pm

Module	Dates	Topic(s)	Coursework
		• Make emphasis on: The skull, vertebral column and thoracic Cage. • Please read chapter 8: Joints: Classification • Make emphasis on: Fibrous, cartilaginous and Synovial. • Make emphasis on Movement of the synovial joints and diseases related to joints. • Watch the My lab and Mastering videos.	
4	2/09 – 2/15	• Please read chapter 9: Muscles and Muscles tissue: Skeletal: make emphasis of the microscopic anatomy and sliding filament model. Nerve impulse, Generation of ATP by the muscles. • Smooth muscles micro anatomy and differences from Skeletal muscles. • Watch the My lab and Mastering videos.	• Chapter 7-8-9 Mastering Quiz • Chapter 7-8-9 Mastering Homework. • You may watch the already recorded lectures on FGC media library. • You can attend voluntary Microsoft teams lectures on Tuesdays and Thursdays at 2:30 pm
5	2/16 – 2/22	• Please read chapter 11: Fundamentals of Nervous tissue and nervous tissue: Make emphasis on Neuroglia, Classification of neurons, Action potential and graded potential.	• Midterm exam- Feb 06th. • Chapters 1-8 On line; Online until 11:59 pm • Please do not take the test in the very last minute of the due date. Take it in advance. • Chapter 10-11-12 Mastering Quiz

Module	Dates	Topic(s)	Coursework
		• Watch the My lab and Mastering videos.	• Chapter 10-11-12 Mastering Homework. • You may watch the already recorded lectures on FGC media library. • You can attend voluntary Zoom lectures on Tuesdays and Thursdays at 2:30 pm
6	2/23 – 3/01	• Please read chapter 12: The central Nervous system: • Make emphasis on The Brain: adult structure, and higher mental functions. • Watch the My lab and Mastering videos.	• Chapter 10-11-12 Mastering Quiz • Chapter 10-11-12 Mastering Homework. • You may watch the already recorded lectures on FGC media library. • You can attend voluntary Zoom lectures on Tuesdays and Thursdays at 2:30 pm
7	3/02 – 3/08	• Please read chapter 13: The Peripheral nervous system and Reflex activity: • Make emphasis on Sensory receptors; cranial nerves. • Read spinal nerves; the reflex arc, spinal reflexes developmental aspects of peripheral nervous system; • Please read chapter 14: The Autonomic nervous system: • Make emphasis on differences from somatic; origin of Sympathetic and Para sympathetic. • Make emphasis on Neuro transmitters and receptors	• Chapter 12-13-14 Mastering Quiz • Chapter 12-13-14 Mastering Homework. • You may watch the already recorded lectures on FGC media library. • You can attend voluntary Zoom lectures on Tuesdays and Thursdays at 2:30 pm

Module	Dates	Topic(s)	Coursework
8	3/02-3/08	Final exam: Online Mar. 03rd.	Please do not take the test in the very last minute of the due date. Take it in advance.

Midterm/ Final exam Dates

Midterm exam	Chapters: 1-8	Feb. 05 th .
Final exam	1-14	Mar. 3 rd .
Research project	Check guidelines in the syllabus.	Feb. 05 th .

Due dates of the On-line Homework and quizzes:

Chapters: 1-2-3-4	
5-6-7-8	Feb. 8 th .
9-10-11-12	.
13-14	Mar. 1 st .

Student Expectations

Attendance

- . - Attendance is mandatory.
- . - Excessive absences (3 or more assignments / classes), will lead to an administrative withdrawal and a final grade of F.
- . - If you miss a class you will be responsible for reviewing the topics covered.
- . - There will be Oral Make-ups for missed justified exams, the student has to set an appointment and the date of the Makeup will be according to the Jury availability.
- . - There will be no retakes.
- . - There will be not withdrawing of students from the classes. This is your responsibility.
- . - Early leaving of classes without permission will be considered as unattended class.

Courtesy and Student Conduct Code

Netiquette: Always maintain a respectful communication

Always maintain a decent and appropriate behavior in class and also in all the on-line communications.

Be strict and check for grammar and spelling errors.

Write in a professional way.

Late Work

The student should contact the Instructor to authorize the acceptance of a late work.

Additional Student Expectation

I expect my students to read every day the covered material in an orderly manner, and review the concepts of anatomy and physiology also do all activities from the first to the last day to succeed in the class and in their health care field career.

Additional Student Expectation

I expect to get from my students the highest level of knowledge from my courses, reflected on the passing grades and their success.

Florida Gateway College Policies and Statements

The Library

The Wilson S. Rivers Library is located in Building 200 and also includes millions of e-books and articles (<https://www.fgc.edu/academics/library/>). The library has more than 70 computers with 50 pages daily of free B&W or Color printing for students. There are also small and large study rooms available for two hours at a time. Click the link above for more information. Librarians are available to assist with research help, and there are helpful videos on library searching and citation help here: (<https://www.fgc.edu/academics/library/research-help-and-guides/>).

Phone- 386-754-4401

Email- library@fgc.edu

[Ask-A-Librarian](#) text and chat

Fall & Spring Semester Library Hours

Monday – Thursday: 7:30 am – 7:30 pm

Friday: 9:00 am – 4:00 pm

Saturday: CLOSED

Sunday: CLOSED

Summer Semester Library Hours

Monday – Thursday: 7:30 am – 6:30 pm

Friday: CLOSED

Saturday & Sunday: CLOSED

Student Success Center (SSC)

The Student Success Center (SSC) is located in Building 008. The SSC offers a variety of resources for students and faculty. Access to computers and limited printing is available. Copies of reference books, textbooks, access to course specific software, and access to tutors for all levels of math and writing are available in the SSC. Tutoring in other subjects is also offered. The SSC provides space for students to study in subject specific learning groups. Stop by or call the Student Success Center to request the most current tutor schedule (386-754-4382).

Fall Semester SSC Hours

Monday--Thursday: 8:00am – 7:30 pm

Friday: 9:00am – 4:30pm

Spring Semester SSC Hours

Monday--Thursday: 8:00am – 6:00 pm

Friday: 9:00am – 4:30pm

Summer Semester SSC Hours

Monday – Thursday: 7:30 am – 5:00 pm

If you have any questions, you may contact the center by phone at 386-754-4479, 386-754-4382, or by emailing Christina Slater at christina.slater@fgc.edu.

EAB Navigate

The SSC initiates student progress reports to the entire campus through EAB Navigate. EAB Navigate is an early-alert tool designed to identify students who may be susceptible to falling behind in their course before they actually do.

Twice during the semester, we provide instructors with the opportunity to ALERT students of their course progress. This is done through the FGC Wolves email account. Students may receive an email stating their success may be at risk in a specific course. If you receive this email, DO NOT PANIC. Please contact your instructor directly, your academic advisor, and the SSC. Your instructor's information is provided in the email.

Navigate Student is a mobile app designed to support students during their academic careers at FGC. Navigate Student is the ultimate student resource that acts as a personal advisor and provides students with the information they need, when they need it. Additionally, students may make an appointment with an advisor, view campus events, be alerted on important to-do's, view class schedules, explore their major, and much more.

Please do not allow yourself to struggle. We are here to help you achieve success. The mission of the SSC is to help encourage and promote your educational journey here at FGC and beyond.

Class Recording

A student shall not make a recording in class unless the recording is limited to the class lecture, and

1. the recording is made for the student's personal educational use,
2. in connection with a complaint to the college, **or**
3. as evidence in or in preparation for a criminal or civil proceeding.

Students are not permitted to record in class, through any means over any medium, any academic or other activity that is not a class lecture. A recording of any meeting or conversation between students, or between students and faculty, is strictly prohibited unless all parties have consented to such recording. A recording of a class lecture may not be published without the prior express written consent of the recorded faculty member.

Resource Information

Florida Gateway College has partnered with **BetterMynd**, (<https://www.bettermynd.com/students>) an online therapy platform for college students, to offer our students access to free video-therapy sessions with their diverse network of licensed mental health counselors.

Florida Gateway College students can now access free online therapy sessions on the BetterMynd platform with the counselor of their choice. These 50-minute, live video-sessions are private, confidential, and can take place from the convenience of your laptop, smartphone, or tablet. Sessions are available during the day, at night, and on the weekends.

To register and get started with a counselor that's a good fit for you, sign-up here. (<https://app.bettermynd.com/register>)

If you have any questions about these services, you can email BetterMynd at students@bettermynd.com.

If you are in the need of additional resources please contact the Director of Student Life, Amy Dekle, at amy.dekle@fgc.edu, or by visiting Building 007.

Academic Appeal; Grievances; General Complaint

If a student wishes to file an academic appeal, grievance, or general complaint, please visit the college's website. Under Students and the Complaints & Appeals section (<https://www.fgc.edu/students/complaints-and-appeals/>), information regarding policy, procedure, and forms related to these topics is provided.

College Course Withdrawal and Drop Process

A course may be dropped only during the published add/drop period. After add/drop, students must withdrawal from their course. Please visit the [College Catalog](#) for more detailed information about the drop and withdrawal process.

Students are responsible for withdrawing by the published deadline. Students must allow sufficient time for the process to be completed. **The fully approved withdrawal form is due to Registration & Records by 4:30 p.m. on the deadline posted on the [Academic Calendar](#) or it is considered late.**

To withdraw from a course, the following steps must take place:

1. The student will log in to MyFGC and navigate to the Withdrawal form.
2. First, click the Student tab; next click Registration; and then click Course Withdrawal Form.

3. The student will enter the course information, the instructor's email address, and the advisor's name and email address. Once all information is entered, submit the form.
4. The form then routes directly to the instructor for approval and the last date of attendance. Once the instructor has completed their portion, the form will route to the advisor.
5. The advisor will complete their portion of the form and submit.
6. The form then routes to Registration & Records for processing. The student will receive an email notification to their FGC Wolves email account once this step is completed.
7. If the form is denied, the student will be notified by email and should contact the advisor with any questions.

Students are strongly encouraged to begin the withdrawal process the day **before** the withdrawal deadline to allow sufficient time for the process to be completed by all offices involved (Instructor, Advising Services, Financial Aid, Registration & Records).

It is the student's responsibility to understand all financial and academic implications of the withdrawal. Students are permitted a maximum of two (2) withdrawals per course. Upon the third attempt, a student must receive a grade for the course. Absence from class or merely notifying the professor does not constitute withdrawal. A student who stops attending class without withdrawing will receive a grade from the instructor.

Incompletes

Incomplete grades are reserved for students who are unable to complete a course and the withdrawal date has passed. A student should only be issued an incomplete if at least 75% of the course assignments have been submitted and the student can reasonably complete the remaining assignments **within the first three weeks** of the next term to earn a passing overall grade. Otherwise, students should be issued the earned letter grade in the course at the end of the current term.

The **Incomplete Grade Request Form** must be completed and submitted for approval by the **FIRST** day of Final Exams and **BEFORE** issuing the "I" grade. The instructor will describe the circumstances leading up to the requested "I" for the course, and list the missing assignments, quizzes, exams, and any other course requirements needed to satisfactorily complete the course **within the first three weeks** of the next term. The form must be signed by the instructor, student, and the Dean/Executive Director over the program. Once all participants have signed, an approval email will be sent to the instructor for authorization to assign the "I" grade.

Student Communication Standards

You are expected to communicate in a professional and respectful tone with the instructor and fellow classmates. All written communication (in email correspondence, discussion forums, assignments, quizzes and exams, etc.) must use proper written English. Please

refrain from using online and texting abbreviations and language. Oral communications, if applicable, must be made with a respectful tone and body language. Use proper [netiquette](#) throughout!

Academic Honesty

At Florida Gateway College, we value the development of critical thinking, effective communication, and academic growth. To ensure fairness and uphold the principles of academic integrity, any instances of academic dishonesty (i.e., cheating, plagiarism, bribery, misrepresentation, fabrication, unauthorized use of AI technologies, etc.) are not permitted and will be dealt with severely. Students should make themselves aware of the student code of conduct found in the Student Handbook. We believe in your ability to think critically and develop your own unique perspectives. By adhering to these guidelines and committing to the principles of academic integrity, you will not only enhance your learning experience, but also foster an environment of trust and respect within our academic community.

Use of AI Technologies

The use of AI technologies to generate or assist in the creation and completion of assignments is strictly prohibited, unless explicitly allowed by the instructor as described in the course syllabus. It is your responsibility to read this thoroughly and carefully at the beginning of the semester.

Your assignments should reflect your own thoughts, analysis, and original work. Florida Gateway College employs the use of AI detection tools to assess the authenticity of your assignments. These tools are designed to identify instances of cheating and plagiarism, including the use of AI technologies. Any submissions that violate this policy will be subject to disciplinary action. If you have any questions or concerns regarding the use of AI technologies in your courses, please review your course syllabus or reach out to your instructor for clarification.

Civil Rights and Compliance Statement

Florida Gateway College does not discriminate in education or employment related decisions on the basis of race, color, ethnicity, national origin, sex, religion, disability, age, marital status, genetic information, sexual orientation, pregnancy, or any other legally protected status in accordance with the law. The Civil Rights & Compliance Officer is Cassie Buckles, Associate Vice President of Human Resources, Building 001, Room 116, 149 SE College Place, Lake City, FL 32025, and may be reached at cassandra.buckles@fgc.edu or by phone at 386-754-4313.

Disability Statement

The Office of Accessibility Services (OAS) is a resource for both students with disabilities as well as faculty. Students with disabilities in need of academic accommodations must first be registered with the OAS to verify the disability, establish eligibility, and determine reasonable academic accommodations.

After registering with the OAS, students must request their academic accommodation letters be sent to them each semester to share with their instructors. Upon receipt of the letter, the instructor will be available during office hours or via email to discuss the accommodations a student will need during the course.

Students with disabilities who are not registered with the OAS or faculty who may have questions or concerns regarding an accommodation, please contact the office at the following:

In person: Building 007, Room 107

Phone: (386) 754-4393

Email: Accessibility.Services@fgc.edu

FERPA Statement

The Family Educational Rights and Privacy Act (FERPA) provides certain privacy rights to students related to educational records. This information can be found in the College Catalog, at the Registration & Records Office in Building 015 or on the Florida Gateway College website (www.fgc.edu/students/registration-and-records/ferpa/).

SACSCOC Statement

Florida Gateway College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate and associate degrees. Florida Gateway College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Florida Gateway College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

Honorlock Statement

Florida Gateway College has partnered with Honorlock, an online testing proctoring service. If off-campus remote proctoring is required during any course, Honorlock will be the online proctoring service that allows you to take your exam. You **DO NOT** need to create an account, download software or schedule an appointment in advance. Honorlock is available 24/7 and all that is needed is a computer, a working webcam, and a stable Internet connection.

To get started, you will need to download the Honorlock Chrome Extension using Google Chrome. You can download the extension on the Honorlock website (www.honorlock.com/install/extension/). When you are ready to test, log into the LMS, go to your course, and click on your exam. Clicking **Launch Proctoring** will begin the Honorlock authentication process, where you will take a picture of yourself, show your ID, and complete a scan of your room. Honorlock will be recording your exam session by webcam as well as recording your screen. Honorlock also has an integrity algorithm that can detect search-engine use, so please do not attempt to search for answers, even if it's on a secondary device.

Honorlock support is available 24/7/365. If you encounter any issues, you may contact Honorlock by live chat, by phone at 844-243-2500, and/or by email at support@honorlock.com.

If you encounter a Canvas issue, please contact Canvas via the Canvas Help menu or by clicking the **Canvas Support** link within your course(s).

Turnitin Statement

Instructors may require writing assignments to be submitted to Turnitin when uploaded to Canvas. Turnitin is an internet-based service that looks for similarities and potential plagiarism by comparing your assignment submissions with its massive database of student work (including previous student submissions at Florida Gateway College), the Internet, and its entire archive, books, and journal and reference publications. Turnitin generates a [similarity report](#), which can help you and your instructor determine whether you used sources fairly and ethically, cited correctly, and paraphrased effectively.

You are encouraged to submit your written work to Turnitin prior to assignment deadlines, whether through Canvas or [Draft Coach](#). If needed, that would allow you time to review the [library's research and help guides](#) or seek writing assistance from your instructor or a tutor in the Student Success Center.

Mission Statement

The mission of Florida Gateway College is to provide superior instruction, nurture individual development, foster career readiness, and enrich the diverse communities it serves through affordable, quality higher education programs and lifelong learning opportunities.