



NORTHWEST FLORIDA STATE COLLEGE

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INSTRUCTOR INFORMATION

- Professor: Patrick McArthur
- Email: mcarthup@nwfsc.edu
- Phone: 850-729-5241
- Office Hours: TBD
- Office Location (Niceville Campus/Building 350/Rm. 212)

INSTRUCTOR COMMUNICATION

Your NWFSC email is the official communication medium of the College. Please check your College email regularly for any class and College notifications. The instructor will respond within **36 hours, Monday through Friday.**

COURSE INFORMATION

- Course Subject and Number: BSC1085C
- Course Name and Number: Anatomy & Physiology I/20072
- Campus/Room: **Building 350 room 113**
- Class Days: **Tuesday, Thursday**
- Class Times: **12:30 – 2:35 pm**
- Modality: Traditional
- Online Classroom with Gradebook: [Canvas class shell](#)
- Final Exam: TBA

COURSE DESCRIPTION

This course is the first part 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 systems.

COURSE-LEVEL 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 PREREQUISITES

None

REQUIRED COURSE MATERIALS

Recommended Text: A text book is not required. Seeley, R. (2006). Anatomy & Physiology (6th, 7th or 8th or 9th ed.). Boston, MA: McGraw Hill., or Martini, F. (2004 or 2005). Fundamentals of anatomy & physiology (6th or 7th ed.). Boston, MA: Benjamin Cummings.

Required Lab Manual: The required dedicated lab manual for this course can be purchased at the college bookstore and is a requirement for this course.

RECOMMENDED COURSE MATERIALS

Enter recommended course materials and textbooks.

ASSIGNMENTS, GRADING SCHEME AND PROCEDURES

Examinations and Grading Scale:

Lecture and laboratory examinations will contain a combination of multiple choice, short answer and experimental, hypothetical, or applied essay questions, with multiple parts. Questions will be drawn from the material covered since the previous exam, and each exam will carry equal weight (see Course Schedule, below). According to Bloom's Taxonomy of Learning there are 6 levels of learning with the highest two levels being the synthesis and evaluative stages. This class is aimed at all levels with particular attention to the synthesis and evaluative stages. My goal in preparing examinations is to test your **understanding** of important concepts, and your **ability to reason logically (analytical and evaluative reasoning)** from things, which you have (or should have) learned. I am not particularly interested in answers to exam questions, which merely demonstrate **rote memorization of facts**, and I am certainly not interested in answers containing material, which does not **specifically** address the question. Of course, no understanding or reasoning can occur in the absence of factual information, but it is

always evident that important facts are retained when understanding of a subject is genuine. The following is an example of an array of typical exam questions based on Bloom's Taxonomy:

Enzymes:

1. Are catalysts that change the equilibrium constant of a reaction.
2. Are catalysts that lower the energy of activation of the reaction.
3. Are catalysts that only work at neutral pH.
4. Are catalysts that are made primarily from RNA.

Briefly describe how enzymes lower the energy of activation of a reaction by describing the 4 characteristics of enzymes discussed in class.

What are the implications of enzymes in the process of digestive compartmentalization?

Final grades will be determined from a distribution of the total scores achieved by each student during the semester, as follows: (this scheme will be slightly altered when appropriate grouping of scores and good judgment make this logical.

Total scores at 90% but < of the top total score.....A

Total scores at 80% but < 90% of the top total score.....B

Total scores at 70% but < 80% of the top total score.....C

Total scores at 60% but < 70% of the top total score.....D

Total scores < 60% of the top total score.....F.

There will be three lecture exams during the regular semester and one final comprehensive multiple choice exam given during the week of finals. There will also be five laboratory exams which will be averaged together carrying the weight of one regular semester exam grade. Grades are earned by demonstrating subject mastery over the material as evaluated by the testing procedures and **cannot** be improved by attendance, attitude, or any other outside variable(s). **There is no extra credit (no exceptions).** The final grade reflects extensive deliberation and analysis, and the grades thus assigned represent decisions, which are final. As a result of this policy, please understand that requests to modify the grade scale **will not** be approved. Grades can be viewed through your on-line account at midterm and after finals only, and will not be e-mailed early under any circumstances.

STUDENT EXPECTATIONS AND RESOURCES

NWFSC aims for excellence in education and scholarly pursuits. Campus policies and procedures support this goal by protecting the health, safety, welfare, and property of the College and its students. To view all campus policies, please see the [college catalog](#). Several essential policies are provided below with the corresponding link to the full policy for your review.

NWFSC POLICY	DESCRIPTION
Academic Integrity	Students are expected to behave responsibly as members of the College community and be honest and forthright in their academic endeavors. This includes the use of generative AI tools. Using genAI in any form to substantially complete an assessment is prohibited, except where explicitly allowed by the instructor. Any time the instructor suspects there is a violation of Academic Integrity or there is a reported Academic Integrity Incident, the instructor is required to investigate it as outlined in the Academic Integrity section of the handbook (linked to the left). The instructor will provide information to the student about the procedure, the complaint, the findings, and any consequence imposed. Students are also expected to behave professionally and refrain from disrupting other students' learning environments.
Accommodations	The Accommodation Resource Center at Northwest Florida State College is committed to providing equal access and opportunities for educational success to all students with disabilities as guided by the American Disabilities Act and other disability-related laws.
Attendance	Regular attendance and participation in the course is expected. All students should adhere to the College calendar. For dual enrolled students, high school holidays may not be College holidays.
Tutoring Services	Tutoring services are available in person and online.
Counseling Services	All actively enrolled students can receive an initial assessment and up to five therapeutic sessions with a Behavioral Health provider at no cost to the student.
Student Code of Conduct	Students are expected to adhere to the rules, regulations, and policies outlined in the Student Code of Conduct.
Student Complaints	NWFSC desires to resolve student grievances, complaints, and concerns expeditiously, fairly, and in an amicable manner. A student who desires to resolve a grievance may initiate the resolution process using the information in the link provided to the left.

<u>Student Rights and Responsibilities</u>	All students should review the Student Rights and Responsibilities section of the Student Handbook to understand their role as a student.
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OTHER IMPORTANT INFORMATION

EMERGENCY COLLEGE CLOSURE

This course's schedule, requirements, and procedures are subject to change in the event of unusual or extraordinary circumstances. If the College closes for inclement weather or another emergency, any exams, presentations, or assignments previously scheduled during the closure period will automatically be rescheduled for the first regular class meeting held once the college reopens. If changes to graded activities are required, students will not be penalized due to the adjustments but will be responsible for meeting revised deadlines and course requirements.

ACADEMIC CONTINUITY PLAN

NWFSC is dedicated to protecting the health and well-being of its students, staff, and faculty. The College is dedicated to working with faculty and students to ensure timely course and program completion during emergencies. In the event of a College closure, the format of this course may be modified to enable completion of the course through other means, including but not limited to online course delivery through online classrooms. Check your RaiderNet College email and LMS classroom online for any updates.

WELCOME TO CLASS

Thank you for choosing NWFSC for your education—and welcome to class!