

Instructor Information	
Instructor	Dr. Percy Jordan
Email	jordanpj@lamarpa.edu
Phone	(409) 984-6335
Office	Student Center - Room: 412
Office Hours	MW 8:30 am-9:30 am & 1:30 pm-3 pm; T 11am-12 pm and 2 pm-3 pm; R 11am-1 pm
Additional Contact Information	Email me with questions. I will normally reply to an email within 24-36 hours.
Course Information	
Description	Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.
Required Textbooks	<i>Textbook Purchasing Statement: A student attending Lamar State College Port Arthur is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.</i> -There are 2 REQUIRED items for the Bio 2301 (A&P1) : 1)"Human Anatomy & Physiology", 2nd ed by Erin Amerman, Pearson Publishing, ISBN: 978-0134-754239 2)Modified Mastering A&P Access code that goes with the lecture textbook by Amerman. This MAP access code is ABSOLUTELY required. This is the same access code that is required for the A&P lab and you can use the same one...i.e. you do not have to purchase it twice.
Additional Materials/Resources	A functioning computer with a webcam is required to take all online exams and quizzes. It is the student's responsibility to have both. Alternatively, exams may be taken at one of the computer labs on the LSCPA campus. Required Software (available free of charge) • Microsoft Office ◦ This software package contains MSWord which you'll need in this course & other useful programs. Office 365 suite is available to students Free of Charge. ◦ The URL for the instruction page and link to download Office 365 is:: https://lamarsupportservices.teamdynamix.com/TDClient/320/Portal-LSCPA/KB/ArticleDet?ID=16454 • Respondus Lockdown Browser ◦ This is required to be installed on any computer/tablet used to take an exam or quiz. ◦ Link to download Respondus Lockdown Browser: https://www.respondus.com/lockdown/download.php?id=139113547 ◦ The link to download Respondus Lockdown Browser is also next to the "Online LSCPA support" section of the Institution homepage. (Look at the bottom)
Corequisites/Prerequisites	Corequisite(s): BIOL 2101. Prerequisite(s): TSI complete in reading.
Learning Outcomes	1. Demonstrate an understanding of anatomical terminology, general biological chemistry, and the role of the cell and cell membrane in maintaining homeostasis throughout the body. 2. Demonstrates an understanding of the structure and function of nucleic acids and their role in protein synthesis, as well as the structure and function of epithelial tissues and the skeletal system including knowledge of specific bones. 3. Demonstrate an understanding of the structure and function of the muscular system including knowledge of specific muscles, the organization of the nervous system, and the electrophysiology involved in membrane potential and action potential generation. 4. Demonstrate an understanding of the structure and function of the various components the brain and spinal cord, the autonomic nervous system, and sensory organs in the body. 5. Demonstrate an understanding of reading material including relevant terminology. 6. Demonstrate an ability to work effectively with fellow students to complete/cover assigned material.
Core Objectives	• Communication skills: Students will demonstrate effective written, oral and visual communication. • Critical Thinking Skills: Students will engage in creative and/or innovative thinking, and/or inquiry, analysis, evaluation, synthesis of information, organizing concepts and constructing solutions.

- Empirical and Quantitative Skills: Students will demonstrate applications of scientific and mathematical concepts.
- Teamwork: Students will demonstrate the ability to work effectively with others to support a shared purpose or goal and consider different points of view.

Lecture Topics Outline

Ch. 1 Overview of A&P, Language of A&P, Core Principles of A&P

Ch. 2 Atoms, Ions, Molecules, Chemical Bonds Energy & Chemical Reactions, Water & Mixtures, Acids, Bases, pH

Ch. 3 Structure of Plasma Membrane, Membrane Transport, Organelles, Protein Synthesis, Cell Cycle

Ch. 4 Histology, Epithelial Tissue, Connective Tissue, Muscle Tissue, Nerve Tissue, Membranes & Coverings

Ch. 5 Integumentary functions, Epidermis, Dermis, Accessory Structures, Pathology of skin

Ch. 6 Skeletal Classifications, Bone structure, Osteon structure, Bone growth, remodeling, fracture healing, osteoporosis

Ch. 7 bone terminology & landmarks

Ch. 8 Joint classifications, synovial joints, movements of synovial joints, Joint dysfunction.

Ch. 9 General Skeletal muscle structure,

Ch. 10 Muscle fiber structure, Sarcomere structure, Muscle excitation, Muscle contraction, & relaxation, Energy sources, motor units, Muscle recruitment, muscle fatigue, Muscle training, oxygen debt, Muscle fiber types, Review of Skeletal muscle function

Ch. 11 Overview of Nervous system, nerve tissue, neurons, neuroglial tissue, Electrophysiology, membrane potential, action potential, Propagation of AP Action Potential, Neural synapses, neurotransmitters.

Ch.12 Overview of CNS, Cerebrum, Diencephalon, Cerebellum, Brainstem, Protection of brain & spinal cord, SC anatomy, sensation, Voluntary movement, homeostasis of vital functions, cognition, memory

Ch. 13 PNS, Cranial nerves, spinal nerves, receptor classification, Receptive Fields, Receptive fields, Reflexes.

Ch. 14 ANS; Sympathetic & Parasympathetic NS

Ch.15 Special vs General Senses, Smell, Taste, Eye anatomy, and Ear anatomy

Major Assignments Schedule

All pre-lab assignments are completed using information in the textbook, lab book, the lab handout, and using the Mastering A&P website. The pre-lab assignments are completed on the Mastering A&P site and are accessed by the link on the LAB course website.

The same Pearson Mastering A&P access code is used for both Lecture Pearson Mastering Assignments and Pre-Lab Pearson Mastering Assignments.

During the 1st Week of Class, the exam schedule will be posted in the course BlackBoard page.

Final Exam Date

May 13, 2025 - 8:00 AM Through May 13, 2025 - 9:15 AM

Grading Scale

90 - 100=A
80 - 89=B
70 - 79=C
60 - 69=D
59 - 0= F

Determination of Final Grade

Your grade for this class will be the average of your 5 exam grades and your average of the online MAP assignments. Each exam as well as the MAP average will count for approximately 16.667% of the course average. Exams that are not taken will receive a grade of "0". There are no re-takes on exams. No grades are dropped when calculating course averages.

A Mastering A&P access code is required to access the online MAP homework assignments. MAP assignments not completed will receive a grade of "0".

Calculating your Lecture Average:

Extra Credit (maximum of 16 total points) = Group Project (12 points) + Exam Bonus Questions (4 points)

Lecture Average = (Ex1 + Ex2 + Ex3 + Ex4 + Final Exam + MAP average + Extra Credit) / 6

Course Policies

Instructor Policies	It is imperative that you check your email 2-3 times per week. Please check your spam or trash folder regularly. You MUST use the Messages link from within the course when emailing me. If you wish to email me about a grade, you must email me from the "Message" link within the course website.
Attendance Policy	Please note that while many of the course materials can be accessed using a cell phone and/or tablet device, there are many questions on the homework assignments that can only be accessed on a computer (desktop or laptop). It is YOUR responsibility to make sure all assignments and exams are completed by their due date. Any assignments not completed by the end of the availability date will receive a grade of "0" zero. If you miss an exam, you must makeup the exam before the next scheduled class period. You must contact the instructor to arrange the completion of the exam. If you miss an exam and are unable to complete the exam before the next scheduled class period because of an excused absence, your lowest lecture exam score will be used as the score for the exam that you missed. Excused absences include medical and family emergencies and are determined at the instructor's discretion. You can only miss one exam with an excused absence (excluding the final), and you must take the final exam. Poor preparation, vacation, or conflict with other scheduled exams is not a valid excuse for missing an exam.
Additional Information	I will not discuss grades over the phone. You may request your grades by e-mail from your Lamar State College-Port Arthur e-mail account (for example, doeja@lamarpa.edu) or by student-instructor conference.

Institutional Policies

MyLSCPA	Be sure to check your campus email and Course Homepage using MyLSCPA campus web portal. You can also access your grades, transcripts, academic advisors, degree progress, and other services through MyLSCPA .
Academic Honesty	Academic honesty is expected from all students, and dishonesty in any form will not be tolerated. Please consult the LSCPA policies (Academic Dishonesty section in the Student Handbook) for consequences of academic dishonesty.
ADA Considerations	The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Services Coordinator , Room 117, in the Student Success Center. The phone number is (409) 984-6241.
COVID 19 Information	The Lamar State College Port Arthur (LSCPA) Student Code of Conduct COVID 19 Policy requires students who have been diagnosed with COVID 19 to report their condition directly to their local health department. Students should also contact their course faculty to report their quarantine status. In addition, this policy requires all students to wear face coverings when directly exposed to COVID 19 in compliance with the criteria included in the policy. For more information please refer to the COVID 19 link on the LSCPA website.
Facility Policies	No food or tobacco products are allowed in the classroom. Only students enrolled in the course are allowed in the classroom, except by special instructor permission. Use of electronic devices is prohibited.
HB 2504	This syllabus is part of LSCPA's efforts to comply with Texas House Bill 2504.
Mandatory Reporting of Child Abuse and Neglect	As per Texas law and LSCPA policy, all LSCPA employees, including faculty, are required to report allegations or disclosures of child abuse or neglect to the designated authorities, which may include a local or state law enforcement agency or the Texas Department of Family Protective Services. For more information about mandatory reporting requirements, see LSCPA's Policy and Procedure Manual .
Title IX and Sexual Misconduct	LSCPA is committed to establishing and maintaining an environment that is free from all forms of sex discrimination, including sexual harassment, sexual violence, and other forms of sexual misconduct. All LSCPA employees, including faculty, have the responsibility to report disclosures of sexual misconduct, including sexual harassment, sexual assault (including rape and acquaintance rape), domestic violence, dating violence, relationship violence, or stalking, to LSCPA's Title IX Coordinator, whose role is to coordinate the college's response to sexual misconduct. For more information about Title IX protections, faculty reporting responsibilities, options for confidential reporting, and the resources available for support visit LSCPA's Title IX website .
Clery Act Crime Reporting	For more information about the Clery Act and crime reporting, see the Annual Security & Fire Safety Report and the Campus Security website .
Grievance / Complaint / Concern	If you have a grievance, complaint, or concern about this course that has not been resolved through discussion with the Instructor, please consult the Department Chair.
Department Information	General Education and Developmental Studies Chair: Dr. Steven Zani

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