

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 II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). 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 2102. Prerequisite(s): BIOL 2301 and BIOL 2101
Learning Outcomes	1. Demonstrate an understanding of blood composition, blood functions, blood disorders, heart anatomy, cardiac conduction system, determinants of cardiac output, and the events of the cardiac cycle. 2. Demonstrates an understanding of the structure of the circulatory system, mechanics of blood flow, blood pressure regulation, capillary filtration & exchange, components & functions of the lymphatic system, immune system responses, antibody production, and immune system disorders. 3. Demonstrate an understanding of the anatomy of the pulmonary & renal systems, mechanics of ventilation, pulmonary volumes, gas exchange, respiratory disorders, glomerular filtration, urine formation & composition, regulation of water & electrolyte balance, acid/base balance, and functions of chemical & physiological buffering systems. 4. Demonstrate an understanding of the physical & chemical digestive processes occurring in the mouth, stomach & intestines, structure of the components of the GI system, GI motility, gastric regulation, functions of the salivary glands, liver, gall bladder, & pancreas, energy balance, nutrient intake, and the major metabolic pathways. 5. Demonstrate an understanding of the primary & secondary male & female reproductive structures, sperm formation, male & female puberty, oogenesis, ovarian cycle, menstrual cycle, pregnancy, childbirth, lactation, fertilization, human development, embryonic & fetal nutrition, and fetal circulation.

6. Demonstrate an understanding of reading material including relevant terminology.
7. Demonstrate an ability to work effectively with fellow students to complete an assignment, and/or cover assigned material.
8. Demonstrate an understanding of the general function of the endocrine system including, mechanisms of hormone action, regulation of hormone release, hormone actions, endocrine glands, and endocrine disorders and treatments.

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 16 Endocrine System- Hormones, Hypothalamus, Ant & Post Pituitary, Thyroid, Parathyroid, Adrenal glands, Pancreas, Diabetes, Other Endocrine glands

Ch. 17 CV system -Heart Anatomy, Blood flow through heart, Electrophysiology, EKG, Events of Cardiac Cycle, Cardiac Output, Preload, Afterload

Ch. 18 CV system- Artery/Vein structure & pathway, Blood Pressure, Perfusion, Filtration,

Ch. 19 Blood, Erythrocytes, Oxygen, Leukocytes, Platelets, Blood Typing

Ch. 20 Lymphatic System, Innate & Adaptive Immunity, Vaccinations, Immune disorders

Ch. 22 GI System, Organs & Functions, Stomach regulation, Digestion & Absorption

Ch. 22 Accessory GI organs; Ch.23 Metabolism Overview, Glycolysis, Transition step

Ch. 23 TCA cycle, ETC, Fatty Acid metabolism, Nutrients, Cholesterol & Lipoproteins

Ch. 21 Resp. System Structure, Pulm. Vent. & Volumes, Gas Transport, Pulm. Diseases

Ch. 24 Urinary System, Kidneys, Nephron, Filtration Reabsorption, Secretion, Urine Flow

Ch. 25 Fluid Homeostasis, Electrolyte Homeostasis, Acid/Base Homeostasis

Ch. 26 Male & Female Reproductive Anatomy & Function, gamete formation, ovarian cycle, Corpus Luteum, Uterine cycle, & Pregnancy

Ch. 27 Fertilization, Stages of Human Development, Fetal Circulation

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.

This is an online class. It is YOUR responsibility to have a RELIABLE computer AND Internet access for the duration of this course. 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).

In addition; EXAMS CAN ONLY BE TAKEN ON A LAPTOP OR DESKTOP COMPUTER.

If your computer breaks for any reason during the semester, IT DOES NOT EXCUSE YOU FROM THE REQUIREMENTS AND DEADLINES OF THE COURSE.

It is **YOUR** responsibility to make sure all assignments and exams are completed by their due date. Any assignments and/or exams not completed by the end of the availability date will receive a grade of "0" zero.

Final Exam Date

May 12, 2025 - 12:01 AM Through May 13, 2025 - 11:59 PM

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.

This is an online class and email is the only way I have to contact you. 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 "Messages" link within the course website.

All exams will be given online. It is NOT possible to take exams on a cell phone. It is the responsibility of the student to have a functioning computer and internet in order to take exams during the scheduled period of availability for each exam. Computers in LSCPA computer labs and Student Success Center are available for use for exams.

Attendance Policy

Exams not taken will receive a grade of 0. No grades are dropped.

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](#)
Email: zanisj@lamarpa.edu
Phone: (409) 984-6431