

Instructor Information

Instructor	Dr. Nancy Longlet
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Phone	(409) 984-6324
Office	Educational I - Room: 108
Office Hours	M 10a-2p; Tues 9:30a-11:30a; Wed 10a-2p. Virtual office hours – anytime. Email me with question anytime, 7 days a week, anytime during the day including evenings using regular LSCPA email. If you'd like to schedule a zoom meeting, email me with a specific day and time you'd like to meet.
Additional Contact Information	I answer emails 7 days a week. Email me anytime with questions or for a link for a zoom meeting.

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> Items that are ABSOLUTELY REQUIRED 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. 3) Functioning computer or laptop with a webcam and microphone. 4)Respondus Lockdown Browser correctly installed on computer or laptop. 5)Reliable internet connection
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. Download using this URL: https://www.lamarpa.edu/Departments/Information-Technology-Services/Documentation/Microsoft-Office-365/Microsoft-Office-Pro-Plus-for-Students ◦ Alternatively, the link to download can be found by going to Lamarpa.edu > Quick links > Information Technology > Instructions & Training > Office 365 Apps for Students • 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
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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.
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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

The following is a list of lecture topics. **For a lecture schedule with dates and a list of Mastering Assignments with due dates, go to the "Course Information" folder on the course website.**

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 exams are given online. Computers used to take exams MUST have Respondus Lockdown Browser (RLB) and possibly Respondus Monitor installed on them. See Course policies document for more information.) It is the student’s responsibility to have a functioning computer and internet throughout the course. Exams may be taken on campus at an LSCPA computer lab if you have problems with your computer; however, the due dates for exams are not changed.

Lecture Exam Availability Times

Exam 1 Availability Begins Sat., 2/15 @ 12:05am, and is due Tue., 2/18 @ 11:59pm
MAP Assignments for Exam #1 are due Tue., 2/18 @ 11:59pm

Exam 2 Availability Begins Sat., 3/8 @ 12:05am, and is due Tue., 3/11 @ 11:59pm
MAP Assignments for Exam #2 are due Tue., 3/11 @ 11:59pm

Exam 3 Availability Begins Sat., 4/5 @ 12:05am, and is due Tue., 4/8 @ 11:59pm
MAP Assignments for Exam #3 are due Tue., 4/8 @ 11:59pm

Exam 4 Availability Begins Sat.,4/26 @ 12:05am,and is due Tue., 4/29 @ 11:59pm
MAP Assignments for Exam #4 are due Tue., 4/29 @ 11:59pm

Final Exam Availability Begins Sat., 5/10 @ 12:05am, and is due Tue., 5/13 @ 11:59pm
MAP Assignments for Final Exam are due Tue., 5/13 @ 11:59pm

Exams #1-#4 will be reopened for TWO days after the due date but an incremental late penalty will be applied. The final exam will NOT be available after the due date.

Final Exam Date

May 10, 2025 - 12:5 AM Through May 13, 2025 - 11:59 PM

Grading Scale

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

Determination of Final Grade

Your grade for this class will be calculated using your 5 exam grades and your average of the online MAP assignments. Each exam grade will count for 16.6% of the course average while the MAP average will count for 17%. 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.

MAP assignments completed after the due date will be assessed a late penalty of 20%-30%. MAP assignments not started will be given a "0".

Calculating your Lecture Average:

Daily Quiz average: "Daily" quizzes may be given at the beginning of each class period. They will be short (no more than 5 questions) and will cover the BASICS from the material of the previous lecture.

Extra Credit = (RLB/20) + (Orientation & Course Policies Quiz/20) + Blood Project + (Daily Quiz Average/6)

Lecture Average = (((Ex1 + Ex2 + Ex3 + Ex4 + Final + Extra Credit) /5)*0.83) + (MAP average x 0.17)

Course Policies

Instructor Policies

For the full list of Course policies and procedures, read the Orientation and Course Policies documents posted in the Course Information folder on the course website.

The course schedule and list of homework assignments are posted in the Course Information folder on the course website. The schedule gives the chapters you should be working on each week. Chapter notes, review questions, and links to lecture videos posted in "Info for Exam X" folders on the course website.

All exams will be given online and will require the installation of Respondus Lockdown Browser (RLB) and possibly Respondus Monitor. 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.

The criteria that must be followed when taking exams and the details of Academic Dishonesty are given on the Orientation & Course Policies document posted in the Course Information folder on the course website.

Exams #1-#4 will be re-opened for 2 days after their availability period with an incremental time penalty assessed. The final exam (exam #5) must be taken by the end of the regular availability period. Exams not taken will receive a grade of 0. No grades are dropped.

A Mastering A&P access code is required to access the online MAP homework assignments. MAP assignments completed after their due date will have a late penalty assessed. MAP assignments not completed at all will receive a grade of "0". No grades are dropped.

Attendance Policy

"Daily" quizzes (about once a week) may be given at the beginning of each class period. They will be short (no more than 5 questions) and will cover the BASICS from the material of the previous lecture. The average of the daily quizzes will be calculated into the extra credit. There are no make-ups or time extensions on these quizzes.

Historically, students with regular attendance and participation in lecture score higher on the lecture exams than students who don't attend or participate. I lecture over concepts but also ask questions to prompt students to remember, link concepts, and/or use their knowledge to predict outcomes. Do NOT be afraid of offering answers, even if you are uncertain. You should also feel free to ask questions during lecture if there is something that you don't understand.

You can email me at any time with questions. If you wish to have a virtual office visit, please email me a specific day/time and I will email you a zoom link.

The schedules for assignments and exams are posted in several places on the course website and it is the responsibility of the student to be aware of the schedule. Special reminders will not be sent out.

Due dates for exams and MAP assignments are posted on the lecture schedule in the Course Information folder.

Additional Information

If you need to contact me please use the regular LSCPA email link. Just start typing my name in the "to box" and my address will show up. Please do NOT click on a link from within the course to contact me.

If you are having trouble finding things on the course website, getting Respondus lockdown browser to work, submitting assignments, etc, I've found that it is **very** helpful to have a zoom meeting where you can share your screen. If you wish to set up a zoom meeting, email me a SPECIFIC DAY AND TIME and if I'm available, I will email you a zoom link. I can often set up a zoom meeting "immediately". I'm available for zoom meetings evenings and weekends as well as during the day.

Announcements will be made via LSCPA course announcements. The announcements will be posted within the courses and also sent to your your LSCPA email. It is essential that you check your LSCPA email EVERYDAY.

I will not discuss grades over the phone. If you have a question about your grade, you may email me from your LSCPA email account or come by my office.

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