

BIOL1064–P02; Anatomy and Physiology II Summer 2017

Instructor: Dr. Yassin Elhassan
Section # and CRN: BIOL1064-P02(30548)/P62(30549)
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Office Hours: MTWR: 09:30 – 10:50am; And by Appointment
Mode of Instruction: Face to Face (Online supplemented)
Course Location: New Science Building; Lecture: RM104; Laboratory: RM 309
Class Days & Times: Class Meeting Days & Times:
Lecture: Time: 11:00am – 12:20pm; Day: MTWR; Room Location: NSCI: 104
Laboratory: Time: 12:30pm – 03:50pm; Day: MTWR; Room Location: NSCI: 309
Catalog Description: Biology 1064. Anatomy and Physiology II; (2-4) 4 Credit semester hour. The Structure and functions of the human body. The structure of each of the system demonstrated by models, charts, and animal dissections with their functions studied by experiments. Laboratory fee required.
Prerequisites: BIOL 1054 Anatomy and Physiology
Co-requisites:
Required Texts: **Anatomy & Physiology (Saladin, 7th ed.)**
Anatomy & Physiology Lab (7th ed.)
On line access code (Connect)
Recommended Texts: Electronic Books. Go Green!! www.mhhe.com/ebooks for details

Student Learning Outcomes:

	Upon successful completion of this course, students will be able to:	Program Learning Outcome # Alignment	Core Curriculum Outcome Alignment
	Identify the important anatomical structures in each of the stated organ systems. Demonstrate a critical understanding of all-important physiological processes of the stated systems as well as fluid and electrolyte balance, nutrition, metabolism, pregnancy, human embryology, fetal development and human genetics.		
1	Analytical interpretation of biomedical related datasets and		
2	Describe the interrelationships between anatomy and physiology in each of the organ systems listed.		
3	Explain the principle of homeostasis and the primary control mechanisms that operate in each of the organ systems listed.		
4	Demonstrate and appreciate how the organ systems interact to maintain homeostasis in the human body.		

5	Perform Oral and Written communication of biomedical terms relative to the human body		
6	Collaboratively work through physiological case studies		
7	Develop independent learning skills such as active learning and problem solving.		

Major Course Requirements

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.

Exams – written and practical tests designed to measure knowledge of presented course material

Exercises – written assignments designed to supplement and reinforce course material

Homework & Assignments: Online homework practices that clarifying, reinforcing, and emphasizing scientific concepts

Projects – Web development assignments designed to measure ability to apply presented course materials.

Course Grade Requirement	Value (points)	Total
1) Lecture Exams	4 Lecture exams at 100 points each	30%
2) Laboratory Practical Exams	4 Practical exams at 100 pts each	30%
3) Learnsmart (Connect)	12 Learn Smarts Homework	10%
4) Assignments including: a) 12 Connect Assignments b) 16 Laboratory Exercises	All Assignment components	10%
5) Paper Presentation	100 points	10%
6) Comprehensive Final Exam	100 points	10%
Total:		100%

Grading Criteria and Conversion:

A = 100 - 90 pts

B = 89 - 80 pts

C = 79 - 70 pts

D = 69 - 60 pts

F = 59 pts or below

Detailed Description of Major Assignments:

Assignment Title or Grade Requirement

Description

Lecture Exams:

Four major lecture exams will be given during the semester. Exams will consist of 50 to 100 mixed types of questions (*multiple-choice, true/false, matching, short answer, & essay*). **The lecture exams count for 30% of your grade.**

Lab Exams:

Four major practical laboratory exams will be given during the semester. The practical exams consist of identification of anatomical parts and physiological functions. Models, pictures, slides, & animal specimen may be utilized to test knowledge of these systems.

The laboratory exams accounts for 30% of your grade.

Learnsmart:

LearnSmart helps students succeed by providing a personalized learning path that's based on responses to questions (right or wrong), as well as how confident they feel about the answers they provide. The program also encourages the retention of the material by identifying concepts that students are likely to forget, and directing them back to portions of the e-book to help them solidify concepts. **The Learnsmarts will be due each week and count 10% of your grade.**

Assignments:

Assignments include: a) On-line (*Connect*) Assignments that help answering a collection of questions discussing scientific concepts on the chapter by using composition, labeling, classification, sequencing, true and false, matching, and essay questions. b) In-class Lab Exercises to reinforce the student knowledge of the chapter material. The students will perform exercises targeting different body

systems. **These assignments collectively count 10% of your grade.**

Case studies:

Students will individually engage an assigned scientific topic from a list of topics. Each student is required to orally present to the class the selected topic and submit a written (hard copy) to the Instructor on the assigned presentation day. **The presentation & submission of the selected topic will count 10% of your grade.**

Final Exam:

Comprehensive Final Exam is given at the end of each semester. The final exam schedule is set by the University. See attached final exam schedule for exact date. **The final exam accounts for 10% of the final grade.**
***Do not schedule any activity during the final exam period**

Taskstream:

Taskstream is a tool that Prairie View A&M University uses for assessment purposes. At least one of your assignments is **REQUIRED** to be submitted as an "artifact," an item of coursework that serves as evidence that course objectives are met. More information will be provided during the semester, but for general information, you can visit Taskstream via the link in eCourses.

Course Procedures and Additional Instructor Policies:

Electronic Devices:

The use of cell phones in this class (lecture & Lab) is absolutely prohibited. All cell phones must be out of sight during lecture and lab sessions. Other electronic devices (Notebooks, Tablets, ... etc.) are allowed **ONLY** for course related usage and **ONLY** by the instructor permission. **Violators will be asked to leave the class room.**

Attendance Policy:

Attendance will strictly be taken electronically once **at the beginning (1st 5 minutes)** of both lecture and lab sessions. Prairie View A&M University requires regular class attendance. Excessive absences will result in lowered grades. Excessive absenteeism, whether excused or unexcused, may result in a student's course grade being reduced or assigned an "F" grade. Absences are accumulated beginning with the first day of class.

Assignments:

Lab Exercises:

Lab exercises **MUST** be completed during the class period. Late work will not be accepted and will earn zero grade. Each student must have the **required current lab manual.**

Connect Assignment:

Include online homework assignments on chapter material using McGraw-Hill Connect website. Students must buy the access code and register online to be able to do and earn grades on these assignments. In addition to the access code, you also need a course code that will be provided (free of charge) by your instructor for registration. Registration date will not be extended (NO EXCUSES). Overdue assignment work will not be accepted and will earn zero grade.

Learn Smart Homework:

Include separate homework on chapter material posted and taken online using McGraw-Hill Connect website. You must have the two codes mentioned above to register and be able to do and earn grades on Learn Smart homework.

Learn Smart Homework and Assignments website address: <http://connect.mheducation.com>

How to register:

Go to your section web address and click **register now.**

section web address : <http://connect.mheducation.com/class/elhassan-biol1064-p03-spring-2017-mw-0800aa>

Pre-Exam quizzes:

Four quizzes, each is given prior to each lecture exam. The average of these quizzes will be considered as a 100-point exam. This grade (quiz average) may substitute for either an excused missed exam or the lowest exam score.

No makeup for missed quizzes and/or missed or overdue homework will be given or accepted under any circumstances. Random short pop-quizzes may be given during any time of the class and may be used toward your quizzes and/or final grade.

Lecture Exams:

Exams should be taken as scheduled. There will be four scheduled lecture exams as well as a comprehensive final exam. An optional 5th lecture exam may be taken as a substitute for either an excused missed exam or the lowest exam score. Neither lecture nor lab exams may be take-home or open book exams. Lecture exams will consist of multiple-choice, short-answer, matching, and true or false questions.

Lab Exams:

There will be four departmental practical lab exams, as scheduled in the syllabus. Practical lab exams will consist of identification of structures on: Microscope slides, dissected specimens, models, figure, diagrams, and may include few short-answer questions.

Make-up Exam Policy:

- **THERE WILL BE NO MAKE-UP EXAM FOR ANY MISSED EXAM under all circumstances.** If you missed an exam you are required to submit legitimate reason supported with required and appropriate documents.
- The first missed exam (lab or lecture), will result in a zero grade and will be considered your first lowest exam score. Your pre-exam quiz average score may substitute for this missed exam.
- Missing a second exam (lab or lecture), will result in a zero grade and will be considered your second lowest exam score. Your optional 5th lecture exam score may substitute for this missed exam.
- Missing additional exam(s) (lab or lecture exam) will result in a zero grade(s) that will be part of your final grade.
- Athletes must be aware of this policy and fully understand it. No exceptions will be considered.
- **THERE WILL BE NO MAKE-UP** for the final exam.
- Students must provide their own scantrons for lecture exams.
- Answer sheets for the practical part of lab exams will be provided by your Instructor.

Semester Calendar

Date Range: June 05, 2017 – July 10, 2017

Monday, June 05 First Class Day. Instruction Begins				
Week	Lecture	Week	Lab	Assignment
1 M (6/05)	Chapter 18: Circulatory System (Blood)	1 M (6/05)	Syllabus/Connect Registration/Safety Forms Ex. 26&27 (Blood, Blood Typing)	Learn Smart Chap 18 Assignment Chap 18
T (6/06)	Chapter 19: Circulatory System (Heart)	T (6/06)	Ex. 28 (Heart Structure) Ex. 28(Dissection-Optional) Ex. 29 (Heart Electrical Conductivity)	Learn Smart Chap 19 Assignment Chap 19
W (6/07)	Chapter 20: Circulatory System (Vessels & Circulation).	W (6/07)	Ex. 33 (Veins & Special Circulations), Ex. 35 (Blood Pressure); Pre-Exam Quiz 1	Learn Smart Chap 20 Assignment Chap 20
Thursday, June 08 - Census Date				
R (6/08)	Lecture Exam 1: Chap (18, 19, 20)	R (6/08)	Lab Exam 1 Ex. 32 (Inferior Body Arteries)	
Friday, June 09, Withdrawal from Course(s) with Academic Record (“W”) Begins				
2 M (6/12)	Chap 21: Lymphatic & Immune System (<i>Lymphatic Sys Part A&B</i>)	2 M (6/12)	Chap 21: (cont.) Lymphatic & Immune System (<i>Immune Sys Part A&B</i>) Ex. 34 (Vessel Function, Lymph Sys)	Learn Smart Chap 21 Assignment Chap 21
T (6/13)	Chap 21 (cont.) Lymphatic & Immune System (<i>Immune Sys Part A&B</i>)	T (6/13)	Chap 22: Respiratory System Ex. 36 (Structure of the Resp. Sys.)	Learn Smart Chap 22 Assignment Chap 22

W (6/14)	Chap 22(cont.): Respiratory System	W (6/14)	Chap 22(cont.): Respiratory System Pre-Exam Quiz 2	
R (6/15)	Lecture Exam 2: Chap (21, 22)	R (6/15)	Lab Exam 2: (<i>Lymphatic & Respiratory Systems</i>)	
3 M (6/19)	Chap 23: Urinary System	3 M (6/19)	Chap 23(cont.): Urinary System Ex. 39 (Urinary System); Models	Learn Smart Chap 23 Assignment Chap 23
T (6/20)	Chap 23(cont.): Urinary System	T (6/20)	Chap 24: Water, Electrolytes & Acid Base Balance Ex. 40 (Dissection) – Optional) Ex. 40 (Urinalysis)-Optional)	
W (6/21)	Chap 24(Cont.): Water, Electrolytes & Acid Base Balance	W (6/21)	Chap 24(Cont.): Water, Electrolytes & Acid Base Balance Pre-Exam Quiz 3	Learn Smart Chap 24 Assignment Chap 24
R (6/22)	Lecture Exam 3: Chap (23, 24)	R (6/22)	Lab Exam 3: (<i>The Urinary Systems</i>)	
4 M (6/26)	Chap 25: Digestive System	4 M (6/26)	Chap 25(Cont.): Digestive System Ex. 41 (Anatomy of the Dig. System) Ex. 41(Dissection-Optional)	Learn Smart Chap 25 Assignment chap 25
T (6/27)	Chap 25(Cont.): Digestive System	T (6/27)	Chap 26: Nutrition & Metabolism Ex. 42 (Digestive Physiology- Optional)	
W (6/28)	Chap 26(Cont.): Nutrition & Metabolism	W (6/28)	Chap 26(Cont.): Nutrition & Metabolism Pre-Exam Quiz 4	Learn Smart Chap 26 Assignment Chap 26
R (6/29)	Lecture Exam 4: Chap (25 & 26)	R (6/29)	Lab Exam 4: (<i>The Digestive Systems</i>)	
Monday, July 03, Withdrawal from Course(s) with Academic Record (“W”) Ends Tuesday, July 04, Independence Day (University Closed)				
5 M (7/03)	Chap 27: The Male Reproductive System	5 M (7/03)	Chap 27(Cont.): The Male Reproductive System Ex. 43 (Male Reproductive System)	Learn Smart Chap 27 Assignmen Chap 27
T (7/04)	No Classes	T (7/04)	No Classes	
W (7/05)	Chap 27(Cont.): The Male Reproductive System Chap 28: The Female Reproductive System	W (7/05)	Chap 28(Cont.): The Female Reproductive System Ex. 44 (Female Reproductive System)	Learn Smart Chap 28 AssignmentChap 28
R (7/06)	Chap 28(Cont.): The Female Reproductive System	R (7/06)	Open Lab Optional Lecture Exam 5 Final Exam Review	
Friday, July 07, Last Class Day (First Summer Session Ends)				
6 M (7/10)	Final Exams (Comprehensive)			

Student Support and Success

John B. Coleman Library

The library and its partners have as their mission to provide resources and instructional material in support of the evolving curriculum, as a partner in Prairie View A&M University's mission of teaching, research, and service and to support the University's core values of access and quality, diversity, leadership, relevance, and social responsibility through emphasis on ten key areas of service. It maintains library collections and access both on campus, online, and through local agreements to further the educational goals of students and faculty. <https://www.pvamu.edu/library/> Phone: 936-261-1500

The Learning Curve (Center for Academic Support)

The Learning Curve offers Tutoring via peer tutoring. The services include workshops (i.e., Save My Semester, Recalculate Your Route), seminars (i.e., Tools You Can Use: TI-84), group review sessions (i.e., College Algebra Topic Reviews, GRE Preparation), group study opportunities (i.e., TSIA, HESI, Study Break, Exam Cram), and test-taking strategies (How to take Notes, Study Buddy, 5 Day Study Guide). The Learning Curve is a nationally certified tutoring program through the National Tutoring Association. The peer tutors are trained and certified by the coordinator each semester. Location: J.B. Coleman Library Rm. 207F. Phone: 936-261-1561

The Center for the Oversight and Management of Personalized Academic Student Success (COMPASS)

The Center for the Oversight and Management of Personalized Academic Student Success (COMPASS) is designed to help Prairie View students in their second year and beyond navigate towards graduation by providing the following services: Academic Advisement, Targeted Tutorials for Personalized Learning, Campus-Wide Referrals, and Academic & Social Workshops. Location: J.B. Coleman Library Rm. 306. Phone: 936-261-1040

Writing Center

The Writing Center provides student consultants on all aspects of the writing process and a variety of writing assignments. Writing Center consultations assist students in such areas as prewriting, brainstorming, audience awareness, organization, research, and citation. Students taking on-line courses or courses at the Northwest Houston Center or College of Nursing may consult remotely or by email. Location: Hilliard Hall Rm. 121. Phone: 936-261-3724.

Student Counseling Services

The Student Counseling Services unit offers a range of services and programs to assist students in maximizing their potential for success: short-term individual, couples, and group counseling, as well as crisis intervention, outreach, consultation, and referral services. The staff is licensed by the State of Texas and provides assistance to students who are dealing with academic skills concerns, situational crises, adjustment problems, and emotional difficulties. Information shared with the staff is treated confidentially and in accordance with Texas State Law. Location: Owens-Franklin Health Center Rm. 226. Phone: 936-261-3564

Testing

The Department of Testing administers College Board CLEP examinations, the HESI A2 for pre-nursing majors, LSAT for law school applicants and MPRE for second-year law students, the Experiential Learning Portfolio option, the Texas Success Initiative (TSI) Assessment, which determines college readiness in the state, and exam proctoring, among other service such as SAT and ACT for high school students. Location: Delco Rm. 141. Phone: 936-261-4286

Office of Diagnostic Testing and Disability Services

As a federally-mandated educational support unit, the Office of Disability Services serves as the repository for confidential disability files for faculty, staff, and students. For persons with a disability, the Office develops individualized ADA letters of request for accommodations. Other services include: learning style inventories, awareness workshops, accessibility pathways, webinars, computer laboratory with adapted hard and software, adapted furniture, proctoring of non-standardized test administrations, ASL interpreters, ALDs, digital recorders, livescribe, Kurtzweil, and a comprehensive referral network across campus and the broader community. Location: Evans Hall Rm. 317. Phone: 936-261-3585

Veteran Affairs

Veterans Services works with student veterans, current military and military dependents to support their transition to the college environment and continued persistence to graduation. The Office coordinates and certifies benefits for both the G.I. Bill and the Texas Hazlewood Act. Location: Evans Hall Rm. 323. Phone: 936-261-3563

Office for Student Engagement

The Office for Student Engagement delivers comprehensive programs and services designed to meet the co-curricular needs of students. The Office implements inclusive and accessible programs and services that enhance student development through exposure to and participation in diverse and relevant social, cultural, intellectual, recreational, community service, leadership development and campus governance. Location: Memorial Student Center Rm. 221. Phone: 936-261-1340

Career Services

Career Services supports students through professional development, career readiness, and placement and employment assistance. The Office provides one-on-one career coaching, interview preparation, resume and letter writing, and career exploration workshops and seminars. Services are provided for students at the Northwest Houston Center and College of Nursing in the Medical Center twice a month or on a requested basis. Distance Learning students are encouraged to visit the Career Services website for information regarding services provided. Location: Evans Hall Rm. 217. Phone: 936-261-3570

University Rules and Procedures

Disability Statement (Also See Student Handbook):

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection 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 Disability Services, in Evans Hall, Room 317, or call 936-261-3585/3.

Academic Misconduct (See Student Handbook):

You are expected to practice academic honesty in every aspect of this course and all other courses. Make sure you are familiar with your Student Handbook, especially the section on academic misconduct. Students who engage in academic misconduct are subject to university disciplinary procedures.

Forms of Academic Dishonesty:

1. Cheating: deception in which a student misrepresents that he/she has mastered information on an academic exercise that he/she has not mastered; giving or receiving aid unauthorized by the instructor on assignments or examinations.
2. Academic misconduct: tampering with grades or taking part in obtaining or distributing any part of a scheduled test.
3. Fabrication: use of invented information or falsified research.
4. Plagiarism: unacknowledged quotation and/or paraphrase of someone else's words, ideas, or data as one's own in work submitted for credit. Failure to identify information or essays from the Internet and submitting them as one's own work also constitutes plagiarism.

Nonacademic Misconduct (See Student Handbook)

The university respects the rights of instructors to teach and students to learn. Maintenance of these rights requires campus conditions that do not impede their exercise. Campus behavior that interferes with either (1) the instructor's ability to conduct the class, (2) the inability of other students to profit from the instructional program, or (3) campus behavior that interferes with the rights of others will not be tolerated. An individual engaging in such disruptive behavior may be subject to disciplinary action. Such incidents will be adjudicated by the Dean of Students under nonacademic procedures.

Sexual Misconduct (See Student Handbook):

Sexual harassment of students and employers at Prairie View A&M University is unacceptable and will not be tolerated. Any member of the university community violating this policy will be subject to disciplinary action.

Title IX Statement

Prairie View A&M University (PVAMU) is committed to supporting students and complying with the Texas A&M University System non-discrimination policy. It seeks to establish an environment that is free of bias, discrimination, and harassment. If you experience an incident of sex- or gender-based discrimination, including sexual harassment, sexual assault or attempted sexual assault, we encourage you to report it. While you may talk to a faculty member about an incident of misconduct, the faculty member must report the basic facts of your experience to Ms. Alexia Taylor, PVAMU's Title IX Coordinator. If you would like to speak with someone who may be able to afford you privacy or confidentiality, there are individuals who can meet with you. The Title IX Coordinator is designated to handle inquiries regarding non-discrimination policies and can assist you with understanding your options and connect you with on- and off-campus resources. The Title IX Coordinator can be reached by phone at 936-261-2123 or in Suite 013 in the A.I. Thomas Administration Building.

Class Attendance Policy (See Catalog for Full Attendance Policy)

Prairie View A&M University requires regular class attendance. Attending all classes supports full academic development of each learner whether classes are taught with the instructor physically present or via distance learning technologies such as interactive video and/or internet.

Excessive absenteeism, whether excused or unexcused, may result in a student's course grade being reduced or in assignment of a grade of "F". Absences are accumulated beginning with the first day of class during regular semesters and summer terms. Each faculty member will include the University's attendance policy in each course syllabus.

Student Academic Appeals Process

Authority and responsibility for assigning grades to students rests with the faculty. However, in those instances where students believe that miscommunication, errors, or unfairness of any kind may have adversely affected the instructor's assessment of their academic performance, the student has a right to appeal by the procedure listed in the Undergraduate Catalog and by doing so within thirty days of receiving the grade or experiencing any other problematic academic event that prompted the complaint.

TECHNICAL CONSIDERATIONS

Minimum Recommended Hardware and Software:

- Intel PC or Laptop with Windows 7; Mac with OS X; Smartphone or iPad/Tablet with Wi-Fi
- High speed Internet access
- 8 GB Memory
- Hard drive with 320 GB storage space
- 15" monitor, 800x600, color or 16 bit
- Sound card w/speakers
- Microphone and recording software
- Keyboard & mouse
- Most current version of Google Chrome, Safari, Internet Explorer or Firefox

Note: Be sure to enable Java & pop-ups in the Web browser preferences

Participants should have a basic proficiency of the following computer skills:

- Sending and receiving email
- A working knowledge of the Internet
- Proficiency in Microsoft Word (or a program convertible to Word)
- Proficiency in the Acrobat PDF Reader
- Basic knowledge of Windows or Mac O.S.

Netiquette (online etiquette):

Students are expected to participate in all discussions and virtual classroom chats as directed. Students are to be respectful and courteous to others on discussions boards. Foul or abusive language will not be tolerated.

Technical Support:

Students should go to <https://mypassword.pvamu.edu/> if they have password issues. The page will provide instructions for resetting passwords and contact information if login issues persist. For other technical questions regarding eCourses, call the Office of Distance Learning at 936-261-3283

Communication Expectations and Standards:

Emails or discussion postings will receive a response from the instructor, usually in less than 48 hours. Urgent emails should be marked as such. Check regularly for responses.

Discussion Requirement:

Online courses often require minimal to no face-to-face meetings. However, conversations about the readings, lectures, materials, and other aspects of the course can take place in a seminar fashion. This will be accomplished by the use of the discussion board. The exact use of discussion will be determined by the instructor.

It is strongly suggested that students type their discussion postings in a word processing application and save it to their PC or a removable drive before posting to the discussion board. This is important for two reasons: 1) If for some reason your discussion responses are lost in your online course, you will have another copy; 2) Grammatical errors can be greatly minimized by the use of the spell-and-grammar check functions in word processing applications. Once the post(s) have been typed and corrected in the word processing application, it/they should be copied and pasted to the discussion board.