PRAIRIE VIEW A&M UNIVERSITY

SYLLABUS

Anatomy and Physiology I
BIOL1054-P04(26905)/P89(26909)
Spring 2019

Instructor: Yassin M. Elhassan, PhD.
Section # and CRN: 1054-P04 (26905)/P64 (26909)
Office Location: E.E. Obanion Science Building, Suite 430E
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Office Hours: F 09:00 am – 12:00 & by appointment; pm, MW 01:00 – 03:00 pm; b
Mode of Instruction: Face to Face

Course Location: Lecture (P04): Room A103, Lab (P64): Room 309
Class Days & Times: Class Meeting Days & Times:
Lecture: Time: 05:00 – 05:50pm Day: T-R; Room Location: NSCI: A103
Laboratory: Time: 06:00 – 07:50pm Day: T- R; Room Location: NSCI: 309

Catalog Description: An introductory course examining the organization of a human body and the mechanisms for maintaining homeostasis. Topics include chemistry of life, cell and tissue structure, metabolism, skeleton, muscular, nervous, endocrine, and integumentary system. Designed for students who will pursue a career in nursing.

Prerequisites:
Co-requisites:

Required Texts:
Bundle
Anatomy & Physiology (Saladin, 8th ed.)
Anatomy & Physiology Lab
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
1	Identify and summarize the steps of the scientific method and recognize their role in the context of a laboratory experiment		Critical Thinking, Communication
2	List, identify, and classify the cellular organic macromolecules, specify the monomers for each, and explain their relevance to human structure and function.		
3	Explain basic cellular functions such as protein synthesis, cellular respiration, DNA replication, and cell division.		Communication
4	Recognize the anatomical structures, explain physiological functions, and recognize and explain the principle of		

	homeostasis applied to the integumentary, nervous, endocrine, muscular and skeletal systems		
5	Perform Oral and Written communication of biomedical terms relative to the human body		Communication
6	Collaboratively work through physiological case studies		Teamwork
7	Demonstrate a critical understanding of biological physiological processes		
8	Analyze quantitative and empirical biomedical datasets and graphs		Empirical and Quantitative

Course Evaluation Methods

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

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.**

Grading Matrix

Instrument	Value (points or percentages)	Total
Lecture Exams	4 Lecture exams at 100 points each	30%
Laboratory Practical Exams	4 Practical exams at 100 pts each	30%
Learnsmart	13 Learnsmarts	10%
Assignment (Online, Laboratory Assignments, Reaction Time, EOG, EEG Biopacs)	10 Assignments	10%
CASE-STUDY PRESENTATION	GROUP	5%
Paper	Individual	5%
Comprehensive Final Exam	100 points	10%

Grade Determination:
A = 100 – 90pts;
B = 89 – 80pts;
C = 79 – 70pts;
D = 69 – 60pts;
F = 59pts or below

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/y-elhassan-biol1054-p04-sp19

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.

Biology 1054 Lecture and Laboratory Schedule

Week	Lecture	Week	Laboratory	Online Assignments
1 T(1/15)	Pre-Test/Syllabus /Atlas A Chapter 1 General Orientation to Human Anatomy	1 T(1/15)	Register for Connect/ Human Body video (Atlas A 1,2,3,4) Lab Safety Contract	Connect Orientation Video LearnSmart Chapter 1 Assignment 1 Chapters 1a & 1b
R(1/17)	Chapter 1 General Orientation to Human Anatomy	1 R(1/17)	Exercise 2 Organs, Systems and Organization(Chap 1)	
Dr. Martin Luther King Jr. Day (University Closed); M-Jan21, 2019				
2 T(1/22)	Cont.Chapter 1 General Orientation to Human Anatomy	2 T(1/22)	Chap 2 The Chemistry of Life Cont.: Exercise 2 Organs, Systems	LearnSmart Chapter 2 Assignment 2 Chapters 2
R(1/24)	Cont. Chapter 2 The Chemistry of Life	R(1/24)	Cont. Chap 2 The Chemistry of Life; Exercise 3	
3 T(1/29)	Chapter 3 Cellular Form and Function	3 T(1/29)	Exercise 3 Microscopy; Cont. Chap 3	Learnsmart Chapter 3 Assignment 3 Chapters 3
Wed, Jan 30, 12th Class Day (Census Date) **Jan 31 – Mar 29, 2019, Withdrawal from course(s) with record ("W")**				
R(1/31)	Cont. Chapter 3 Cellular Form and Function	R(1/31)	Exercise 4 Cell structure and Function	Learnsmart Chapter 4 Assignment 4 Chapters 4
4 T(2/05)	**Lecture Exam I (Chap 1, 2, 3)**	4 T(2/05)	**Lab Exam I (Atlas A 1,2,3,4)**	
R(2/7)	Chapter 4 Genetics & Cellular Function	R(2/7)	Cont. Chapter 4 Genetics & Cellular Function	
5 T(2/12)	Cont. Chapter 4 Genetics & Cellular Function	5 T(2/12)	Chapter 5 Histology; Exercise 5 Tissues	Learnsmart Chapter 5 Assignment 5 Chapter 5
R(2/14)	Chapter 5 Histology	R(2/14)	Chapter 5 Histology; Exercise 5 Tissues	
6 T(2/19)	Chapter 6 Integumentary System	6 T(2/19)	Cont. Integumentary System; Exercise 6	Learnsmart Chapter 6 Assignment 6 Chapter 6
R(2/21)	Cont. Integumentary System;	R(2/21)	Chap 8: Skeletal System Exercise 7 Skeletal system	
7 T(2/26)	**Lecture Exam II (Chap 4,5,6)**	7 T(2/26)	**Lab Exam II (Histology & Integumentary System);** Chapter 8: Skeletal System	Learnsmart Chapter 7 Assignment 7 Chapter 7
R(2/28)	Chap 7: Bone Tissue	R(2/28)	Chapter 8: Skeletal System Exercise 8: Axial Skeleton(8),	Learnsmart Chapter 8 Assignment 8 Chapter 8
Mar 07- Mar 09; Mid-Semester Examination **Thu through Sat *(Grade Due Tue, Mar 19)***				
8 T(3/5)	Chap 7 (cont.): Bone Tissue	8 T(3/5)	Chapter 8: Skeletal System Exercise 9: Appendicular Skeleton	

R(3/7)	Chap 7 (cont.): Bone Tissue	R(3/7)	Chapter 9: Joint Exercise 10: Joints (Articulation)	Learnsmart Chapter 9 Assignment 9 Chapter 9
Spring Break; Mar 11 – Mar 16, 2019 Mon through Sat				
9 T(3/12)	Chapter 9: Joint	9 T(3/12)	Chapter 10: Muscular System Axial Muscles1 (Head & Neck): Exercise 11	Assignment 10 Chap10
R(3/14)	Chapter 11 Muscular Tissue	R(3/14)	Chapter 10: Muscular System Exercise 12: Axial Muscles 2 (Trunk)	Learnsmart Chapter 10
10 T(3/19)	**Lecture Exam III (Chap 7,8,9)**	10 T(3/19)	**Lab Exam III** Appendicular Muscles1: (Upper Limb):Exercise 13:	
R(3/21)	Chapter 11 Muscular Tissue	R(3/21)	Chapter 10: Muscular System: Appendicular Muscles 2: (Upper Limb): Exercise 13 (Lower Limb); Exercise 14	Learnsmart Chapter 11
11 T(3/26)	Chapter 11 Muscular Tissue	11 T(3/26)	BIOPAC EMG 1 (optional) BIOPAC EMG 2 (optional)	
R(3/28)	Chapter 12 Nervous Tissue	R(3/28)	Chapter 12 Nervous Tissue Exercise 16: (Nervous Tissue, Spinal Cord, Spinal Nerves)	Learnsmart Chapter 12
12 T(4/2)	Chapter 12 Nervous Tissue	12 T(4/2)	Chapter 13 Spinal Cord, Spina Nerves, and Somatic Reflexes	
R(4/4)	Chapter 13 (cont.): Spinal Cord, Spina Nerves, and Somatic Reflexes	R(4/4)	Chapter 13 (cont.) Sp. Cord, Sp. Nerves, and Somatic Reflexes	
13 T(4/9)	Chapter 14 Brain & Cranial Nerves	13 T(4/9)	Brain Dissection Video and/or Dissection Lab	Learnsmart Chapter 13
R(4/11)	Chapter 14 (cont.) Brain & Cranial Nerves	R(4/11)	***Case Study Group Presentation & Individual Paper Submission***	
Good Friday/Easter (Student Holiday) Friday, Apr 19' 2019				
14 T(4/16)	Chapter 14 (cont.) Brain & Cranial Nerves	14 T(4/16)	Chapter 15 Autonomic Nerves System	Learnsmart Chapter 14
R(4/18)	Chapter 15 Autonomic Nerves System **Lecture Exam IV (Chap10,11,12)**	R(4/18)	Chapter 15 Autonomic Nerves System **Lab Exam IV** **Cont. Chapter 12**	
Tuesday , April 30, Last Day of Classes				
15 T(4/23)	Chapter 16 Sense Organs	15 T(4/23)	Exercise 21, Eye and Vision Cont. Chapter 16	
R(4/25)	Cont. Chapter 16 Sense Organs	R(4/25)	Exercise 22, Ear, Hearing, & Equilibrium	
16 T(4/30)	Cont. Chapter 16 Sense Organs	16 T(4/30)	Final Exam Review	
Final Examination Period May 01 - May 07, 2019; Wednesday through Tuesday				
16 W(5/1)	**Day, Date, Time of Final Exams TBA**			

R (5/ 09)	Final grades due for graduation candidates by Noon
Su (5/ 11)	Spring Commencement
T (5/ 14)	Final grades due for all other students by 11.59 p.m.

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.

Center for Academic Support
The Center for Academic Support (CAS) 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 Tutoring Center 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

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

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. Location: Hilliard Hall 121

University Rules and Procedures

Disability statement (See Student Handbook):
Students with disabilities, including learning disabilities, who wish to request accommodations in class should register with the Services for Students with Disabilities (SSD) early in the semester so that appropriate arrangements may be made. In accordance with federal laws, a student requesting special accommodations must provide documentation of their disability to the SSD coordinator.

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.

Attendance Policy
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 in assignment of a grade of "F". Absences are accumulated beginning with the first day of class.

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.

Disability statement (See Student Handbook):
Students with disabilities, including learning disabilities, who wish to request accommodations in class should register with the Services for Students with Disabilities (SSD) early in the semester so that appropriate arrangements may be made. In accordance with federal laws, a student requesting special accommodations must provide documentation of their disability to the SSD coordinator.

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

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 accomplish 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 should be copied and pasted to the discussion board.