PVAMU Course Syllabus
Course Title: Biology 1054 Anatomy and Physiology I
Summer 2016

Department of	**Biology**	**College of**	**Arts and Sciences**

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	Prairie View, TX 77446	

Office Hours:	**MTWR: 12:30pm -01:30pm**
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Course Location:	**New Science Building: Lecture RM 101 Laboratory: RM 311**

Class Meeting Days & Times:

**** Lecture Part:**

Time	**Day**	**Room Location**
08:00 am-09:20 a.m.	**MTWR**	**NSCI. 101**

**** Laboratory Part:**

Time	**Day**	**Room Location**
09:30 am-12:30 p.m.	**MTWR**	**NSCI. 311**

Course Abbreviation and Number:	**Biology 1054 Lecture – 30129. Sec. P02 Anatomy and Physiology, Biology 1054 Laboratory –30173. Sec. P62 - Anatomy and Physiology**
Catalog Description:	**Biology 1054. Anatomy and Physiology I;** (2-4) 4 Credit semester hours. 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:	
Co-requisites:	
Required Text:	**Bundle:9780077548339** **Anatomy & Physiology (Saladin, 7th ed.)** **Anatomy & Physiology Lab** **On line access code (Connect)**
Recommended Text:	**Electronic Books. Go Green!!** www.mhhe.com/ebooks **for details.**
Access to Learning Resources:	PVAMU Library: phone: (936) 261-1500;

	web: http://www.tamu.edu/pvamu/library/ University Bookstore: phone: (936) 261-1990; web: https://www.bkstr.com/Home/10001-10734-1?demoKey=d

Course Goals: Students will use microscopes, microscopic slides, diagrams, models, physiological processes and dissection of animal specimens during their study of the following systems: integumentary, skeletal, muscular, nervous (including special senses), and endocrine systems.

Course Outcomes:

At the completion of this course, the student will be able to satisfactorily:

1. Identify and summarize the steps of the scientific method and recognize their role in the context of a laboratory experiment
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.
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
6. Collaboratively work through physiological case studies
7. Demonstrate a critical understanding of biological physiological processes
8. Analyze quantitative and empirical biomedical datasets and graphs

Course Evaluation Methods

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

Exams – written tests designed to measure knowledge of presented course material
Exercises – written assignments designed to supplement and reinforce course material
Projects – web development assignments designed to measure ability to apply presented course materials.

Grading Matrix

Instrument	Value (points or percentages)	Total
Lecture Exams	4 Lecture exams at 100 points ea.	30%
Laboratory Practical Exams	4 Practical exams at 100 pts each	30%
Learnsmart	16 Learnsmarts	10%
Assignment (Online, Laboratory Assignments, Reaction Time)	10 Assignments	10%
CASE-STUDY PRESENTATION	Group	5%
CASE-STUDY	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

Examinations

Lecture:

At least four major lecture exams will be given during the semester. Exams will consist of 50 to 100 multiple-choice, true/false, matching, short answer, and short essay questions. **The lecture exams count for 30% of your grade.**

Laboratory:

At least four major practical laboratory exams will be given during the semester. The practical examinations consist of identification of anatomical parts and physiological functions. Models, pictures, figures, short answer questions, and animal specimen will be utilized to test your knowledge of these systems.

The laboratory exams accounts for 30% of your grade.

Learnsmarts

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.** Late (overdue) homework & assignment

Assignments:

On-line Assignments: These assignments will be answering a collection of questions discussing scientific concepts on the chapters by using composition, labeling, classification, sequencing, true and false, matching and essay question.

Biopac and Laboratory Assignments: Students are engaged in scientific inquiry by performing in group data collection, analysis and write-ups. The students will also complete in-class lab exercises targeting circulatory system, respiratory system, muscular function, brain function, ANS, exercise physiology and neurophysiology.

All assignments will count 10% of your grade.

Case studies:

Students will collaboratively engage an assigned scientific topic discussed in the course. Each group is expected to give an oral presentation of their case study to the class on the assigned day ***(Group Part)***, and each member of a group is expected to give a two-page written article of a selected disease topic ***(Individual Part)***. **This will count 10% of your grade.**

Comprehensive Final Exam is given at the end of each semester. The final exam accounts for 10% of your grade. The final exam schedule is set by the University. See attached final exam schedule for exact date.

***Do not schedule any activity during the final exam period (*see above dates).**

Exam Policy

Exams should be taken as scheduled. **NO MAKEUP EXAMINATIONS WILL BE ALLOWED**. **Each student must provide their own Scantron B during the lecture exams. One exam (lecture or laboratory grade) will be dropped. if you miss an exam that exam automatically becomes your dropped grade. Pre-exam quizzes will be given prior to each lecture exam and may be used collectively as a substitute for the exam to drop.**

BIOL 1054 Lecture and Laboratory Schedule

Wk	Date	Lecture (Chapter #)	Lab	Online
1	6/6	Introduction (1) Chemistry of Life (2)	Lab Safety /Pre-Test. Terminology/ Microscope (Exercise 2&3)	Registratio n Connect
	6/7	Cellular form and Function (3)	Cell/Cell Cycle. (Exercise 3&4)	Connect
	6/8	Genetics and Cellular Function (4)	Tissues. Ex 6	Connect
	6/9	Histology (5)	Tissues. Ex 6	Connect
2	6/13	**EXAM 1 (Ch. 1-3)**	**LAB Exam I** (WK 1 Material)	Connect
	6/14	Integumentary System (6)	Skin (Exercise 7) & Skeletal System (Ex 8)	Connect
	6/15	Bone Tissues (7)	Skull, Vertebral Column (Exercise 9)	Connect
	6/16	Skeletal System (8)	Verteb Column, Pectoral Girdle (Exercise 10)	Connect
3	6/20	Skeletal System (8)	Pectoral Girdle, Pelvic Girdle (Exercise 10)	Connect
	6/21	**Exam 2 (Ch. 4-6)**	Pelvic Girdle & Lower Limb (Exercise 10)	Connect
	6/22	Joints (9)	**LAB Exam II** (Skin, B. Tissue & Skeletal sys)	Case Study
	6/23	Muscle Tissue (10)	Joints (Exercise 11)	Connect
4	6/27	Muscle System (11)	Muscles: Head & Neck (Ex 14); Trunk (Ex 15)	Connect
	6/28	Muscle System (11)	Muscles: Upper Extremity (Ex 12) Muscles: Lower Extremity (Ex 13)	Connect
	6/29	**Exam 3 (Ch. 9-11)**	BIOPAC, Muscles (Reaction Time)	Connect
	6/30	Nervous Tissue ,Spinal Cord (12)	**LAB Exam III** (Joints & muscular System)	Connect
		July 4th_ Independence Day University Closed		
5	6/05	Spinal Nerves, (13) Brain, Cranial Nerves (14)	The Brain & Cranial Nerves (Exercise 18) The Spinal Cord & Spinal Nerves (Exercise 19)	Connect
	7/06	Sense organs (15)	Sense Organs: Eye (Ex 23) & Ear (Ex 24)	Connect
	7/07	**Exam 4 (Ch. 12-16)**	**Lab Exam IV** (Brain, Spinal Cord, & Sense Organs) **– Project Presentations**	Connect
	7/11	**Final Exam (Comprehensive)**		

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*.**

Absences on Religious Holy Days- In accordance with Texas education Code, section 61.003, subdivision (7), student may be absence from class for the observance of a religious holy day

will be permitted to take missed examinations and complete missed assignments provided the student has notified the instructor of the planned absence in writing and receipt of notification has been acknowledged by the instructor in writing.
"A religious holy day means a holy day observed by a religion whose place of worship is exempt from property taxation under the Texas Tax Code, section 11.20"

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.