SYLLABUS
BIOL 3014 P02 HUMAN PHYSIOLOGY AND ANATOMY
FALL SEMESTER 2019

Instructor:
KEATON, AK, PHD
Section # and CRN:
P02 – CRN 13151
Office Location:
New Science Building
430H
Office Phone:
936-261-3166
Email Address:
akkeaton@pvamu.edu
Office Hours:
MW 10:30-12:00PM
TR 1:00-2:00PM
Fri 10:00-3:00PM
Or by Appointment

Mode of Instruction: **Face to Face**

Course Location:
New Science Building
RM A -103
Laboratory – RM 313
Class Days & Times:
Lecture
MW- 9:00-9:50AM
Laboratory
TR 10:00 – 11:50PM

Catalog Description: BIOL 3014-Human Physiology and Anatomy Credit 4 semester hours. For Biology Chemistry and Education Majors. Human structure, physiology, organ systems and homeostasis and related principles.

Prerequisites: **BIOL 1015-1025 Or Equivalent**
Co-requisites:

Required Texts: **Human Anatomy and Physiology 10th Edition, Elaine Marieb/ Katja Hoehn**

Benson's Laboratory Manual: Anatomy and Physiology, 5th, 6th, or 7th edition

Recommended Texts: **Human Physiology (From Cells to Systems), Sherwood**
Textbook of Medical Physiology, Guyton
Human Physiology, Silverthorn

Student Learning Outcomes:

	Upon successful completion of this course, students will be able to:	Program Learning Outcome # Alignment	Core Curriculum Outcome Alignment
1	Demonstrate an understanding of the fundamental principles of physiology	Critical Thinking	Critical Thinking
2	Demonstrate an understanding of the principle of complementarity of structure and function	Critical Thinking	Critical Thinking Team Work
3	Demonstrate an understanding of the principles of homeostasis and how organ systems work together via negative feedback mechanisms to maintain a relatively constant internal environment.	Critical Thinking	Communication Team Work
4	Demonstrate an understanding of the two major types of membrane transport (Active vs Passive Transport)	Discipline Specific Knowledge	Critical Thinking
5	Calculate the Equilibrium Potential and Resting Membrane Potential	Quantitative Analysis Problem Solving	Quantitative Analysis Critical Thinking
6	Demonstrate/describe an understanding of the hormonal regulation of bone growth and development and the electrical activities of a skeletal muscle fiber (end plate potentials vs. action potentials)	Critical Thinking	Communication Team Work
7	Demonstrate and understanding of the basic structure/function(s) of the four major tissue types	Integration of broad Knowledge	Team Work Communication

Method of Determining Final Course Grade

Course Grade Requirement (Please Note: The Following points are an approximation and subject to change		
1) Lecture Exams (3)	**100 - 140**	**300-450**
2) Laboratory Exams (3)	**50–100**	**150-300**
3) Quizzes (7)	**20- 25**	**100-140**
4) Lecture Final (Comprehensive)	**100**	**100**
5) Laboratory Final (Comprehensive)	**100**	
6) Class Assignment (50 points)		
7) Course Portfolio	50	

Total Points : 900 – 1100 (An Approximation)

Grading Criteria and Conversion: Final Grade is determined by each students percentage of the Total Points Possible (TPP), for the course:

A = 100 – 90% of the TPP
B = 89 - 79% of the TPP
C = 78 - 68% of the TPP
D = 67 – 58% of the TPP
F = 57 or below the TPP

Exam Policy (Please Read)

All Exams should be taken as scheduled. NO makeup exams will be allowed except under documented emergencies (Please see Student handbook). NO student will be allowed to begin an exam 15 minutes after the exam has started. NO cell phone use is allowed during an exam (or use of watches with internet access). NO student will be allowed to leave the room during an exam except for extreme physiological reasons (ADH Antagonism)

Success Comes Before WORK….ONLY in the Dictionary

Celebrate rarely….GRIND Daily!!!!!

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Semester Calendar (Tentative Schedule)

	Lecture Topic(s)
Week 1: Readings: Chapter 1	M - Course Syllabus/Orientation of the Human Body W - Homeostasis
Week 2: Readings: Chapter 3	M – Labor Day-Uni. Holiday W – Cells living units Plasma Membrane
Week 3: Reading: Chapters 3 – 4	M – Membrane Transport W - Membrane Transport/Osmosis and Tonicity R – Laboratory Exam #1 9/12/19
Week 4: Readings: Chapter 3	M – Cells: Active Transport W – Equilibrium Potential Laboratory –Chapter 4 Tissues (Histology)
Week 5: Reading: Chapters 3 – 4 Exam Preparation	M – Tissues: (material from this chapter will begin in lab) W - Connective Tissues R - *Laboratory Exam II (Histology) September 26, 2019
Week 6: Readings: Chapter 5	T – October 1, 2019 – Lecture Exam I (Ch. 1,3 and 4). W – Integumentary System
Week 7: Reading: Chapters 5 -6	M – Integumentary System W - Bones and Skeletal Tissues
Week 8: Readings: Chapter 6 - 7	M – Cells: Osteoblast, Osteocytes and Osteoclast W – Endochondral Ossification/Calcium Homeostasis
Week 9: Reading: Chapters 6 - 7	M – Axial Skeleton (22 Bones of the Skull) W – Vertebral Column/Rig Cage

Week 10: Readings: Chapter 7	M – Appendicular Skeleton (Upper Extremities) W – Lower Extremities
Week 11: Exam Preparation	T – November 5, 2019, Lecture Exam II (CH 5, 6 and 7) R - November 8, 2019, Laboratory Exam (Bones Practical)
Week 12: Readings: Chapter 9	M – Muscles and Muscle Tissues W – Gross and Microscopic Anatomy (Skeletal Muscle)
Week 13: Reading: Chapters 9	M – Physiology of Skeletal Muscle W - Sliding Filament Model
Week 14: Readings: Chapter 9	M– Excitation Contraction Coupling W – Assignment
Week 15: Final(s) Review Open	T - Lecture Exam III –Chapter 9:Muscles December 5, 2019
FINALS PERIOD	**ALL FINALS WILL BE TAKEN AS INDICATED BY THE FINALS SCHEDULE**

The instructor respectfully reserves the right to make changes to the syllabus if necessary to meet the overall needs of the class, due to time constraints or other unforeseen events. If changes are necessary, students will be notified as soon as possible in class.

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.**

5. **<u>ABSOLUTELY NO OSMOSIS OF ANY KIND WILL BE TOLERATED!!!!!!</u>**

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.

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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.