



PRAIRIE VIEW
A&M UNIVERSITY

**BIOL 1073- Microbiology
Fall 2018**

Instructor: Dr. Kimberly Greer
Section # and CRN: Bio1073P01 and Bio1073P81
Bio 1073P02 and Bio 1073P82
Bio1073P05 and Bio 1073P65
Bio1073P04 and Bio 1073P84

Office Location: EE O'Banion Science 430J
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Email Address: kagreer@pvamu.edu
Office Hours: M,W 10-12p; T,R 9a-11a and by appointment
Mode of Instruction: Face To Face

Course Location: O'Banion rm. 308 (lab), 309, 104
**Class Days &
Times:** Bio1073P01 (9am MW) and Bio1073P81 (M 1p lab)
Bio1073P05 (12pm MW) and Bio 1073P65 (W 1p lab)
Bio1073P04 (11am TR) and Bio 1073P84 (F 10a lab)
Bio1073P02 (8am TR) and Bio 1073P82 (R 12p lab)

Catalog Description: BIOL 1073. General Microbiology. (2-2). Credit 3 semester hours. Morphology and physiology of microorganisms related to health and sanitation; disinfection, growth, and control of those organisms causing common infectious diseases. Laboratory fee required.

Prerequisites: None
Co-requisites:

Required Texts:

Bauman, Robert W. 2014. *Microbiology, With Diseases by Body System 4th Edition*. Pearson Education, Inc., publishing as Benjamin Cummings, San Francisco, CA. ISBN-13: 978-0321918550
ISBN-10: 032191855X

https://www.amazon.com/Microbiology-Diseases-Body-System-4th/dp/032191855X/ref=mt_hardcover?encoding=UTF8&me=&qid=

Laboratory Manual: **Microbiology Lab Manual, Kimberly A. Greer**; Kendal Hunt publishing 2017

Available only in the PVAMU bookstore

Other Materials – Blue / black pens, #2 lead pencils, notebook paper, access to computer / printer, color pencils – red, blue, green, purple.

Student Learning Outcomes:

	Upon successful completion of this course, students will be able to:
1	Demonstrates knowledge of the basic principles and concepts of life at the microscopic level as it pertains to microbes.
2	Comprehends the theoretical concepts in microbiology so that they may use this as a basis for future studies in other allied health fields.
3	Analyze the inter-relationships among the microorganisms and higher life forms.
4	Demonstrate the proper techniques and procedures of handling microscopic living organisms, many of which are pathogenic.
5	Employ effective teamwork skills with emphasis on listening, responding, and creating a positive climate

Major Course Requirements

Method of Determining Final Course Grade

	Assignment	Percentage of total grade
1	3-4 lecture exams	0.3
2	Lab reports & quizzes	0.2
3	Attendance- class & lab	0.1
4	1 Lab exam	0.2
5	1 Comprehensive Final	0.2

Grading Criteria and Conversion:

A = 90-100

B = 80-89

C = 70-79

D = 60-69

F = <60

You are **responsible for calculating your own grade totals.** ECourses does not always calculate them correctly and should not be relied upon to reflect your accurate final grade.

FINAL GRADE = (exam avg * 0.3) + (reports & quizzes avg * 0.2) + (attendance * 0.1) + (lab exam * 0.2) + (final exam * 0.2)

Course Procedures or Additional Instructor Policies

Taskstream

Taskstream is a tool that Prairie View A&M University uses for assessment purposes. One of your assignments may be considered 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.

Cell phones

Cell phones must be secured within a backpack or purse during exams. The backpack or purse must be set aside, against a classroom wall and out-of-reach of any students. Any cell phones found on a person during an exam will result in an automatic "0" score on the exam.

Tardies

Anyone 10 minutes or more late to laboratory sections **will not be permitted** into the section, and will receive an **automatic "0"** for that class period. Any assignments collected will not be permissible for submission, and attendance will be scored as "Absent" for that class period. Any scores received for a Tardy will not be eligible for dropping should lowest scores be dropped in final grade calculations.

Semester Calendar

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Week Of:	Chapter Title	Notes
Week 1	Pre-test, syllabus review, course materials review, personal data	
	Ch. 1 Introduction, Scope, and History of Microbiology	
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Week 2	CH 11. Characteristics of Prokaryotes	
	CH 11. Characteristics of Prokaryotes	Homework sheet
Sept 26-27	CH 11. Characteristics of Prokaryotes	
Sept 28- Oct 4	Ch. 12 Eukaryotic Cells: Fungi, Lichen, Algae, Molds	Homework sheet
	CH 12 Eukaryotic Cells: Groups, Reproduction, Protozoa	
Oct 5, 9	Review	
Oct 10, 11	Exam 1 Chapters 1, 11/12	
	Ch. 3 Cell Structure and Function	
	Ch. 3 Cell Structure and Function	Homework sheet
	Ch. 4: Microscopy, Staining, and Classification	
Nov 7, 8	Ch. 4: Microscopy, Staining, and Classification	Homework sheet
Nov 9, 13	CH 6. Microbial Nutrition and Growth	Homework sheet
Nov 15, 16	Exam 2 Chapters 3, 4, 6	
Nov 23, 24	Thanksgiving Holiday	
Nov 27, 28	Ch. 13: Viruses, lytic cycle TAKE HOME EXAM 3: Ch. 13, 24	
Nov 29, 30	Ch. 24: Microbial Disease of the Urinary and Reproductive Systems	Online supplements
Dec 4, 5	Review/study day	
Dec 6-11	FINAL EXAM	Submit Exam 4 scantron

Week Of:	Lab week	<u>Exercise(s) to perform</u>	<u>Note</u>	<u>DUE</u>
Week 1		Lab safety	Forms must be signed off	Biology Lab agreement
Week 2		Lab 1: Microscope Scope assignments	eCourses quiz (lab safety and microscope)	
Week 3		Lab 4: Algae and Cyanobacteria		Scantron: eCourses quiz Lab 1
Sept 29, Oct 2		Lab 5: Protozoans		Lab 4
Oct 4 (Weds lab), Oct 13 (Fri labs), 16 (Mon lab)		Lab 2: Aseptic Technique Lab 3: streak plates		Lab 5
Oct 6, 9, 11		NO LAB		
Oct 9: During lecture, 1pm W lab		Check plates, evaluate	DURING Lecture class	Lab 2, 3
Oct 18, 20, 23		Simple stain and Gram stain online	Do NOT meet in lab	ONLINE lab
		Lab 8: Simple staining		Online stain lab
Nov 3, 8		Lab 11: Gram Staining lab		Lab 8
Nov 10, 13, 15		Parasitology/organism laboratory: ONLINE	Do not meet in lab	Lab 11
Nov 20, 21		Lab Final		Parasite lab

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.

Fall 2018 Academic Calendar:

Aug 27 Monday	Tuition payment deadline is 5:00 p.m. for all students who registered for the fall semester
Aug 27 - Aug 29 Monday through Wednesday	Late registration for the fall semester for all students who have not yet registered. To complete registration, students must pay by 5:00 p.m. on Wednesday, September 19
Aug 27 - Aug 31 Monday through Friday	Add/Drop for all students for the fall semester. Tuition payment for all students who add/drop for fall must pay by 5:00 p.m. on Wednesday, September 19
Aug 27 Monday	First Class Day
Sep 03 Monday	Labor Day Holiday (University closed)
Sep 04 Tuesday	Class resumes

Sep 12 Wednesday	12th class day (Census Date)
Sep 12 Wednesday	Last day to withdraw from course(s) without academic record
Sep 13 - Nov 02 Thursday through Friday	Withdrawal from course(s) with academic record ("W")
Sep 19 Wednesday	Tuition payment deadline is 5:00 p.m. for all students who late registered and add/drop for fall semester
Sep 24 Monday	20th class day
Sep 25 - Dec 04 Tuesday through Tuesday	Submit application for Tuition Rebate for fall graduation undergraduate candidates
Oct 18 - Oct 20 Thursday through Saturday	Mid-semester examination
Oct 23 Tuesday	Mid-semester grades due by 11:59 p.m.
Oct 31 Wednesday	Last day to apply for fall graduation (ceremony participation)
Nov 01 - Dec 04 Thursday through Tuesday	Apply for degree conferral only for fall graduation (no ceremony participation or name listed in program)
Nov 02 Friday	Last day for withdrawal from course(s) with academic record ("W")
Nov 05 Monday	60% of term
Nov 12 - Nov 16 Monday through Friday	Priority registration for continuing students for spring semester. https://www.pvamu.edu/registrar/priority-registration-schedule/
Nov 19 - Jan 11, 2019 Monday through Friday	Pre-registration for all students for the spring semester
Nov 22 - Nov 24 Thursday through Saturday	Thanksgiving Holidays (University closed)
Nov 26 Monday	Class resumes
Dec 03 - Dec 04 Monday through Tuesday	Course Review Days (classes must convene and instructors will prepare students for final exams)

Dec 04 Tuesday	Last day to apply for degree conferral only for fall graduation (no ceremony participation or name listed in program)
Dec 04 Tuesday	Last Class Day
Dec 04 Tuesday	Last day to submit application for Tuition Rebate for fall graduation undergraduate candidates
Dec 04 Tuesday	Last day to withdraw from the University
Dec 05 - Dec 11 Wednesday through Tuesday	Final Examinations
Dec 13 Thursday	Final grades due for graduation candidates by Noon
Dec 15 Saturday	Fall Commencement