



BIOL 1015 SYLLABUS

BIOL 1015 General Biology Spring 2019

Instructor: E. Gloria C. Regisford, Ph.D.
Section # and CRN: P01 CRN:26569 and P61 CRN:26588
Office Location: Elmer E. O'Banion Science Building Room 430G
Office Phone: 936-261-3165 FAX: 936-261-3179
Email Address: gcregisford@pvamu.edu
Office Hours: **TR: 3:00-4:00 p.m., F: 12:00 – 2:00 p.m., or by appointment**
Mode of Instruction: Face-to Face
Course Location: E. E. O'Banion Science – 406 (Lecture) and 315 (Lab)
Class Days & Times: MWF Lecture: 11:00 am – 11:50 am and TR: Lab 1:00 pm – 2:50 pm
Catalog Description: General Biology 1015, (3-4) Credit 5 semester hours. Structure and function of living organisms. Characteristics and Chemistry of Life, Cell Structure, Cell Theory, Energy Transformation, Photosynthesis, Cellular Respiration and Cell Signaling are studied
Prerequisites: TSIA Reading College Ready
Co-requisites: N/A
Required Texts: Biology, 11th Edition, by Urry, Cain, Wasserman, Minorsky and Reese
 ISBN –10:0-134-09341-0 or 13:978-0-134-09341-3

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 characteristics and chemical basis of life	1, 3	Discipline Specific Knowledge
2	Demonstrate by drawings, an understanding of the cell, the basic unit of life	1, 3 and 4	Discipline Specific Knowledge
3	Demonstrate knowledge of cellular respiration, fermentation and photosynthesis	1, 3 and 4	Integration of Broad Knowledge
4	Demonstrate knowledge of membrane transport	1, 3 and 4	Discipline Specific Knowledge
5	Demonstrate knowledge of cell signaling	1, 3	Discipline Specific Knowledge
6	Demonstrate critical thinking skills and scientific problem solving skills to make informed decisions.	1, 5	Critical Thinking, Problem Solving
7	Demonstrate laboratory investigations using safe, environmentally appropriate and ethical practices	5	Ethical Decision Making and Problem Solving
8	Compose an oral scientific presentation using the scientific method	5	Communication, Globalization and Cultural Diversity

Major Course Requirements

Method of Determining Final Course Grade

Course Grade Requirement	Value	Total
1) Major Exams (3)	45%	450
2) Final Exam	20%	200
3) Quizzes and Assignments	10%	100
4) Laboratory Exams and Exams	20%	200
5) Group PowerPoint presentation (Diseases at the Level of Organelles)	5%	50
Total:	100%	1000pts

Grading Criteria and Conversion

A = 100-90pts.

B = 89-80pts

C = 79-70pts

D = 69-60pts

F = 59-60pts

Detailed Description of Major Assignments:

Assignment Title	Description
Chapters 1, 2, 3,	Exam 1
Chapters 4 and 5	Exam 2
Chapters 6 and 7	Exam 3
Chapters 8, 9, 10 and 11	Exam 4 (Final)

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.

Semester Calendar (Tentative)**Week One (01/14/19)**

Topic Description

Organization of Course and Themes of Biology
Evolution
Themes of Biology
Scientific Inquiry
[Lab Safety Rules and Regulations](#)

Week Two (01/21/19)

Topic Description

Chemical Context of Life
Introduction to Chemistry
Chemical Bonding
[Lab Exercise: Chemistry](#)

Week Three (01/28/19)

Topic Description

Chemical Context of Life
Chemical Bonding
[Lab Exercise: Chemistry](#)

Week Four (02/04/19)

Topic Description

Water and Life
Properties of Water
Acids and Bases; pH
Lecture Exam 1 (Chapters 1, 2 & 3)
[Lab Exercise: Properties of Water; pH](#)

Week Five (02/11/19)

Topic Description

Carbon and Large Biological Molecules
Carbon
Carbohydrates and Lipids
[Lab Exercise: Biochemistry](#)

Week Six (02/18/19)

Topic Description

Large Biological Molecules
Proteins and Nucleic Acids
[Lab Exercise: Biochemistry](#)

Week Seven (02/26/19)

Topic Description

A Tour of the Cell
Cellular Structure and Function
Lecture Exam 2 (Chapters 4 & 5)
[Lab Exercise: Light Microscopy](#)

Week Eight (03/04/19)

Topic Description

A Tour of the Cell (**Midterm Week**)
Cellular Structure and Function
[Lab Exercise: Cell Structure](#)

Week Nine (03/11/19)
Topic Description

Spring Break

Week Ten (03/18/19)
Topic Description

Membrane Structure and Function
Cellular Membrane Structure
Passive and Active Transport
Bulk Transport
[Lab Exercise: Diffusion and Osmosis](#)

Week Eleven (03/25/19)
Topic Description

Introduction to Metabolism
Matter, Energy, and Thermodynamics
Enzymes and ATP
Lecture Exam 3 (Chapters 6 & 7)
[Lab Exercise: Enzymes](#)

Week Twelve (04/01/19)
Topic Description

Cellular Respiration and Fermentation
Glycolysis and the Citric Acid Cycle
Oxidative Phosphorylation and Chemiosmosis
Fermentation
[Lab Exercise: Fermentation](#)

Week Thirteen (04/08/19)
Topic Description

Photosynthesis
Process of Photosynthesis
[Lab Exercise: Photosynthetic Pigments and Photosynthesis](#)

Week Fourteen (04/15/19)
Topic Description

Cell Communication
Cell Signaling
Apoptosis
[Lab Exercise: Hormones](#)

Week Fifteen (04/22/19)
Topic Description

Review
[Group PowerPoint Presentation of "Organelles and Disease"](#)

Week Sixteen (04/29/19)
Topic Description

Course Review Days and Final Exam Week
Lecture Exam 4 (Chapters 8, 9, 10 & 11)

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 12

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 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 should be copied and pasted to the discussion board.

Calendar

Jan 10 - Jan 11 Thursday through Friday	Regular Registration Period
Jan 14 Monday	First Class Day
Jan 14 Monday	Tuition payment deadline is 5:00 p.m. for all students who registered for the spring semester
Jan 14 - Jan 16 Monday through Wednesday	Late registration for the spring semester for all students who have not yet registered. To complete registration, students must pay by 5:00 p.m. on Wednesday, February 6.
Jan 14 - Jan 18 Monday through Friday	Add/Drop for all students for the spring semester. Tuition payment for all students who add/drop for spring must pay by 5:00 p.m. on Wednesday, February 6.
Jan 21 Monday	Dr. Martin Luther King Day (University Closed)
Jan 22 Tuesday	Class resumes
Jan 30 Wednesday	12th Class Day (Census Date)
Jan 30 Wednesday	Last day to drop/withdraw from course(s) without academic record. A financial record will still exist.
Jan 31 - Mar 29 Thursday through Friday	Withdrawal from course(s) with record ("W")
Feb 06 Wednesday	Tuition payment deadline is 5:00 p.m. for all students who late registered and add/drop for spring semester

Feb 11

20th class day

Monday

Feb 12 - Apr 30

Tuesday through Tuesday

Submit application for Tuition Rebate for spring graduation undergraduate candidates

Mar 07 - Mar 09

Thursday through Saturday

Mid-semester examination

Mar 11 - Mar 16

Monday through Saturday

Spring Break

Mar 15

Friday

Spring Break (University Closed)

Mar 18

Monday

Class resumes

Mar 19

Tuesday

60% of Term

Mar 19

Tuesday

Mid-semester grades due by 11:59 p.m.

Mar 27

Wednesday

Founders Day/Honors Convocation

Mar 27

Wednesday

Last day to apply for spring graduation (ceremony participation)

Mar 28 - Apr 30

Thursday through Tuesday

Apply for degree conferral only for spring graduation (no ceremony participation or name listed in program)

Mar 29 Friday	Last day for withdrawal from course(s) with record (“W”)
Apr 08 - Apr 12 Monday through Friday	Priority registration for continuing students for summer and fall semesters Priority Registration Schedule
Apr 15 - May 24 Monday through Friday	Pre-registration for all students for the summer and fall semester
Apr 19 Friday	Good Friday (Student Holiday)
Apr 29 - Apr 30 Monday through Tuesday	Course Review Days (Classes must convene and instructors will prepare students for final exams)
Apr 30 Tuesday	Last day to withdraw from the university with record
Apr 30 Tuesday	Last day to apply for degree conferral only for spring graduation (no ceremony participation or name listed in program)
Apr 30 Tuesday	Last day to submit application for Tuition Rebate for spring graduation undergraduate candidates
Apr 30 Tuesday	Last Class Day
May 01 - May 07 Wednesday through Tuesday	Final Examinations