

BIO 1406 (4:3:3)

General Biology I

Department of Biology

Division of Arts and Sciences

SOUTH PLAINS COLLEGE

Levelland Campus

SPRING 2026

Instructor

Dr. Eric Niederhauser

Course Information
Biology I for Science Majors (BIOL 1406) Spring 2026

Instructor: Dr. Eric Niederhauser

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Office Hours: Mon and Wed: 1:00 – 2:00, Tue: 11:00 – 12:00, Thu: 11:00 – 12:00 and 2:30 – 3:30, Fri: 9:00 – 12:00.

Course Description: This course focuses on fundamental principles of living organisms including the chemistry of life, cell and molecular biology, genetics, and evolution. This is the first semester of an integrated course for majors in biological sciences and related studies, including the medical disciplines.

Course Implementation:

PREREQUISITE: None. CREDIT: Four semester hours

RECOMMENDED TEXT: Campbell *Biology*, 12th Ed. by Urry et.al. Others ARE acceptable.

REQUIRED LAB MANUAL: A file will be provided for you to download and print.

Blackboard: Grades, course information, lectures, links etc. will be available on Blackboard, accessed through <https://southplainscollege.blackboard.com>. You are responsible for checking Blackboard regularly. You can always see your current grade on Blackboard

Communication: If needed I will send announcements or reminders via email to your SPC email address. You are responsible for any information that is sent to your SPC email by me or the college, so please check them regularly.

Grading

EXAMS: There will be four exams (3 mid-terms and 1 final) covering both lecture and lab. The exams will be multiple choice, true or false, fill-in-the blank, short answer and essay questions. The final exam will be comprehensive.

Do not miss exams. Their dates are set. Failure to take an exam at the scheduled time will result in a grade of a zero for the exam. Exceptions will be made for documented emergencies only. A doctor's appointment is NOT an emergency - do not schedule them for exam times. If you miss an exam due to an emergency, you must contact me within 24 hours for a makeup exam to be considered.

IN-CLASS QUIZZES: There will be quizzes at the beginning of most classes that will address the previous lectures and lab. If you are late for class your quiz grade will suffer. There will be no in-class quiz makeups, but the three lowest in-class quiz grades will be dropped. Students who miss 3 or more quizzes (for any reason) will NOT have the lowest quiz grades dropped. Quizzes will use a remote clicker system.

LAB GRADES: This is a lab-integrated course - lab attendance and completion of the lab exercises is required to receive credit for the course. Failure to attend 3 or more labs will result in withdrawal from the course. There are no lab makeups. Understanding of the lab material is also assessed in the exams.

GRADING SUMMARY

Grade Type	Percentage of Grade
Exams	70 %
In-Class Quizzes	20 %
Lab Attendance/Assignments	10%

Grading scale: Final semester average 90-100 = A; 80-89 = B; 70-79 = C; 60-69 = D; < 60 = F.

Last Day to Drop the Course: April 30, 2026

This course must be completed with a grade of C or better for the student to take General Biology II (Biology 1407) at South Plains College.

Policies, Procedures and Rules

This course will be conducted according to the policies and procedures of the South Plains College Student Handbook and General Catalog.

Attendance Policy: This course is designed to be an in-person course. Punctual and regular class attendance is mandatory. The class is scheduled to meet for lecture twice each week. Once a week, class meetings consist of lecture period AND a lab period; consequently, failure to attend lecture OR lab will count as an absence and any work missed will receive a grade of zero. Students are responsible for all information discussed during absences from class - regardless of the reason.

If you intend to withdraw from the course, please see me first – do not just stop coming to class. It is the student's responsibility to withdraw from this course. Students who fail to attend will be assigned their earned letter grade at the end of the course. Grades are kept up to date, and guidance will be provided throughout the term to help students decide whether they need to drop the class. For more information regarding drops/withdrawals, please visit www.southplainscollege.edu/admission-aid/apply/schedulechanges.php.

Tardy Policy: Arriving to class late is disruptive. If you are late, please come in quickly and quietly take your seat. A student who is consistently tardy may be withdrawn from the class. Barring emergency, there is no excuse for being tardy to lab. If you are late for lab you will lose participation credit for the lab.

Classroom Conduct: To create an effective learning environment, respect must be shown to your fellow students and to the instructor. Disruptive and disrespectful behavior will not be tolerated.

Disruptive and disrespectful behavior includes:

- Cell phone use. **Cell Phone use is not permitted.** Cell phones should be **out of sight** in lecture and lab. Do not text or answer calls during class or lab time.
- Earbuds in your ear during lecture or lab.
- Use of other electronic devices including laptops. Research shows that taking notes by hand is more effective. A tablet or laptop with a screen that can be used flat on the desk with a stylus is acceptable. I reserve the right to allow laptop use on an individual basis.
- Leaving class during lecture. **If you will need to leave early let me know.**
- Sleeping in class or lab.
- Eating in lab. Discrete food consumption in lecture is tolerated.
- Failure to follow general instructions.
- Talking out of turn, cursing, etc.

You will receive a zero for the day's quiz for disruptive behavior and may be asked to leave the classroom. If the poor behavior is deemed excessive the student may be withdrawn from the course.

Academic Integrity: The attempt of any student to cheat or present as her/his own any work, which she/he has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension.

Examples of cheating and dishonesty include (but are not limited to): plagiarism, illegal possession of examinations, the use of unauthorized notes during an examination or quiz, obtaining information during an exam from the textbook or from the exam paper of another student, assisting others to cheat, alteration of grade records, illegal entry or unauthorized presence in an office.

You must use your own words on exams.

Lab Safety: Each student will be informed/trained on the "Chemical Hygiene Plan (CHP) for Laboratories at South Plains College" during the first week of the semester. Each student will be required to acknowledge receipt of this information and be required to follow all procedures outlined by the instructor and/or staff of South Plains College.

Material Safety Data Sheets (SDS): These data sheets detail any potential hazards which may be incurred while utilizing various chemicals in the laboratory. The SDS notebook is in room 146 of the science building. The sheets may also be found online. All students are encouraged to read about the chemicals used in the lab in the MSDS notebook. Please ask the instructor if you need assistance.

Privacy: The federal law guaranteeing student privacy is the policy of this professor as well as that of SPC. This means that I will not discuss your grade with anyone other than you. I will NOT discuss your grade with your parents, guardians, friends, etc.

Other Applicable Policies: This webpage - <https://www.southplainscollege.edu/syllabusstatements/> has the official South Plains College statements about the following:

- Intellectual exchange
- Disabilities
- Non-discrimination
- Title V Pregnancy Accommodations
- CARE Team
- Campus Concealed Carry

Bio 1406 Tentative Schedule Spring 2026			
Unit	Week	Date	Lecture
			Tuesday Laboratory
Organization and Chemistry of Life	1	Tue, Jan 13 Thur, Jan 15	Introduction. Life Defined and Organized
	2	Tue, Jan 20 Thur, Jan 22	Chemistry for Biology Water and Life, Carbon Organic Chemistry, Carbohydrates
	3	Tue, Jan 27 Thur, Jan 29	Lipids, Nucleic Acids Proteins
	4	Tue, Feb 3 Thur, Feb 5	Cell Structure EXAM 1
	5	Tue, Feb 10 Thur, Feb 12	The Cell Cycle Membrane Structure and Function
	6	Tue, Feb 17 Thur, Feb 19	Introduction to Metabolism Enzymes
	7	Tue, Feb 24 Thur, Feb 26	Cellular Respiration Photosynthesis
	8	Tue, Mar 3 Thur, Mar 5	Biomass, Energy in Ecosystems, Biogeochem cycle EXAM 2
	9	Tue, Mar 10 Thur, Mar 12	Mendel and the Gene Idea
	Spring Break		
	10	Tue, Mar 24 Thur, Mar 26	Beyond Mendel - Complications and Exceptions DNA Replication
	11	Tue, Mar 31 Thur, Apr 2	From Gene to Protein (Gene Expression) From Gene to Protein, Mutation, Viruses,
	12	Tue, Apr 7 Thur, Apr 9	Regulation of Gene Expression EXAM 3
	13	Tue, Apr 14 Thur, Apr 16	DNA Technology DNA Tech Applications
	14	Tue, Apr 21 Thur, Apr 23	Descent With Modification The Evolution of Populations
	15	Tue, Apr 28 Thur, Apr 30	The Origin of Species Evolution wrap-up and Semester Review
Final EXAM: Tue, May 5. 1:00 am.			
			Topic
			Topic
			Ex.