

BIO 1409 (4:3:3)

General Biology for Non-Science Majors II

Department of Biology

Division of Arts and Sciences

SOUTH PLAINS COLLEGE

Levelland Campus

Dr. Eric Niederhauser

Spring 2022

**Course Information**  
**Biology II for Non-Science Majors (BIOL 1409)**  
**Spring 2022**

**Instructor:** Dr. Eric Niederhauser

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Please include 1409 and your section number in the subject line.

Office Hours: Monday: 9:30 – Noon, 2:30 – 3:30

Tuesday: 8:30 – Noon

Friday: 9:00 – 11:00

**Course Description:** A survey of fundamental principles of living organisms including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. This is the second semester of a two-semester sequence – though the first semester is not required. This semester will focus on the diversity of life, ecology and animal and plant structure/function. This course partially satisfies a Core Curriculum Requirement: Life and Physical Sciences Foundational Component Area (030). Core Curriculum Objectives addressed: Communication skills, Critical thinking skills, Empirical and quantitative competency skills, Teamwork, Personal responsibility, Social responsibility.

**Course Implementation:**

PREREQUISITE: None. CREDIT: Four semester hours

RECOMMENDED TEXT: Campbell, *Essential Biology with Physiology*, 6<sup>th</sup> Ed. by Simon, et al.

REQUIRED LAB MANUAL: Download from Blackboard and print. You **MUST** print the required lab manual and bring it to lab. You do not need to print it in color. I strongly suggest printing the whole manual at once. It is formatted to be double sided but single sided works too.

**Blackboard:** Current grades, course information, lecture notes, links etc. will be available on Blackboard, accessed through <https://southplainscollege.blackboard.com>. You are responsible for checking Blackboard regularly.

**Emails and Announcements:** I may post announcements on Blackboard and/or send emails to your SPC email address periodically throughout the semester. You are responsible for any information that is in the announcements or sent to your SPC email by me or the college, so please check them regularly.

**Grading**

**EXAMS:** There will be four lecture exams given during the semester. These will be primarily multiple choice and true or false, but may include fill-in-the blank, short answer, and essay questions. The final exam will be comprehensive.

**Missed exams:** If you know in advance that you will be absent on an exam date, notify me ahead of time, it MAY be possible to take the exam at an alternate time. **If you unexpectedly miss an exam and do not contact me within 24 hours, I will not consider a makeup exam.**

**IN-CLASS QUIZZES:** There will be quizzes at the beginning of most classes. There will be no in-class quiz makeups but three of the lowest in-class quiz grades will be dropped. Students with 4 or more absences due to any reason will NOT have the lowest quiz grades dropped. Quizzes will use a remote clicker system.

**LAB GRADES:** Based on exams and assignments taken in the lab.

**GRADING SUMMARY**

<b>Grade Type</b>	<b>Percentage of Grade</b>
Exams	60 %
In-Class Quizzes	20 %
Lab Exams /Assignments	20 %

*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:* May 4, 2022

## 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:** Attendance is mandatory. Students are responsible for all information discussed during absences from class - regardless of the reason. When absences become excessive and, in the opinion of the instructor, minimum course objectives cannot be met, the student will be withdrawn from the course. Any student with 5 absences or tardies (to lecture and/or lab), or 4 consecutive absences will be withdrawn from the class.

Once a week, class meetings consist of lecture period AND a lab period; consequently, being absent from either class OR LAB will count as an absence.

If something extraordinary arises during the semester, I will certainly take this into consideration and some exception to the attendance policy may be made. If you intend to withdraw from the course, please see me and officially withdraw. Do not just stop coming to class. Please meet with the instructor should problems arise.

A student who does not attend a class by the 12th day of classes will automatically be deleted from the class rolls.

COVID 19: If you are experiencing any of the following symptoms, please do not attend class and either seek medical attention or get tested for COVID-19.

- Cough, shortness of breath, difficulty breathing
- Fever or chills
- Muscles or body aches
- Vomiting or diarrhea
- New loss of taste and smell

To be excused from attendance requirements, please also notify DeEtte Edens, BSN, RN, Associate Director of Health & Wellness, at [dedens@southplainscollege.edu](mailto:dedens@southplainscollege.edu) or 806-716-2376.

**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 will be dropped from the class. See me if there is a problem or if you know you will be late.

**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 during class or lab, or leave class or lab to answer phone calls.
- Use of other electronic devices including laptops. Not only is this distracting, but research shows that taking notes by hand is more effective. 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, inappropriate gestures etc.

**You will receive a zero for that 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 or texts during an examination or quiz, obtaining information during an exam 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.

**Students with disabilities**, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

**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.

**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 (MSDS):** These data sheets detail any potential hazards associated with the chemicals used in the laboratory. The MSDS notebook is located in room 146 of the science building. 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.

**Non-Discrimination Statement:** South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

**Campus Concealed Carry - Texas Senate Bill - 11** (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to the SPC policy at: [http://www.southplainscollege.edu/human\\_resources/policy\\_procedure/hhc.php](http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.php) Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

**Resources for help:** My goal is your success. If you have any questions or concerns, ASK ME! Please! Anything that affects your performance as a student is important to me and South Plains College. We will do everything we can to support you and help you succeed.

Specific places to seek help depend on the factors that are affecting your performance:

ACADEMIC: Instructor, Tutors, Learning Center - 3<sup>rd</sup> floor library building.

PERSONAL: Health & Wellness Center (8 free counseling appointments per year).

HEALTH: Student Health Clinic (free for students with 6 or more credit hours).

**Tentative Schedule Bio 1409 Spring 2022**

Unit	Week	Date	Topic	Wed Laboratory Topic
Introduction to Diversity	1	Mon Jan 17 Wed Jan 19	<b>No Class</b> Introduction	Taxonomy
	2	Mon Jan 24 Wed Jan 26	History of Life Prokaryotes	Microscope Review, Microbes, Protista
Diversity	3	Mon Jan 31 Wed Feb 2	Protista Fungi	Fungi and Plant Diversity
	4	Mon Feb 7 Wed Feb 9	Plant Diversity <b>TEST 1</b>	<b>Test</b>
	5	Mon Feb 14 Wed Feb 16	Plant Structure Plant Function	Plant Morphology and Anatomy
	6	Mon Feb 21 Wed Feb 23	Flowering Plant Reproduction Plant hormones and behavior	Plant Reproduction
Plants	7	Mon Feb 28 Wed Mar 2	plants and people, Ecology Link <b>TEST 2</b>	<b>Test</b>
	8	Mon Mar 7 Wed Mar 9	Animal Classification Porifera/Cnidarians/Flatworms	Roundworm/Earthworm Dissection
Spring Break March 14-20				
Animal Diversity	9	Mon Mar 21 Wed Mar 23	Roundworms Annelids/Mollusks/Echinoderms	Crayfish Dissection; ID: Sponges, Cnideria, Worms
	10	Mon Mar 28 Wed Mar 30	Arthropods Vertebrate Diversity /Fish	Fish Dissection; ID: Mulluscs, Arthropods, Echinoderms
	11	Mon Apr 4 Wed Apr 6	Amphibians, Reptiles, Birds Mammals	Frog Dissection; ID: Vertebrates
	12	Mon Apr 11 Wed Apr 13	<b>TEST 3</b> Organization	<b>Test</b>
Organ Systems	13	Mon Apr 18 Wed Apr 20	Exchanges and Regulation Nutrition and Digestion	Pig Dissection Torso and Heart Model
	14	Mon Apr 25 Wed Apr 27	Reproductive system Circulation and Respiration	Pig Dissection Torso and Heart Model
	15	Mon May 2 Wed May 4	Immune System Semester Review and Catch up	Collection DUE <b>Test</b>

**Final Exam**