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 2023

Course Information Biology II for Non-Science Majors Hybrid Section (BIOL 1409) Spring 2023

INSTRUCTOR: Dr. Eric Niederhauser OFFICE: S81; Phone: 806 716-2321.

EMAIL: eniederhauser@southplainscollege.eduPlease include "Hybrid 1409" in the subject line.OFFICE HOURS:Monday: 9:30 - Noon, 2:30 - 3:30Tuesday: 11:00 - NoonThursday: 2:00 - 3:00Friday: 9:00 - 11:00

You may come in-person or use Blackboard Collaborate (a little like Zoom). If you would like to schedule a time for me to enter the Collaborate course room at any time, send me an email. If I am in my office I can easily login and email you a link.

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 a part of a two-semester set of classes – though <u>the other semester is not required</u>. The main topics of this semester include 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. PREREQUISITE: None. CREDIT: 4 semester hours

Course Implementation

BLACKBOARD: Current grades, course information, lectures and lecture notes, links etc. will be available on Blackboard, accessed through https://southplainscollege.blackboard.com.

LECTURES: About 1-hour and 15 minutes of prerecorded lectures will be posted to Blackboard at 8:00 am each Monday and Thursday (2.5 hours per week, see schedule below). Lecture viewing is required.

LABORATORY: You are required to attend weekly lab sessions in person. See schedule below. The **lab manual** (available to download on Blackboard) is REQUIRED. Bring it to the first and every 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.

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

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, so please check them regularly.

Grading

LECTURE EXAMS: There will be three lecture exams given during the semester and a comprehensive final. These will primarily be multiple choice and true or false, but may include fill–in-the blank, short answer, and essay questions. Exams will be given in person in the lab.

<u>Missed exams</u>: 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 miss an exam and do not contact me within 24 hours, I will not consider a makeup exam.**

IN-LAB QUIZZES: There will be quizzes about the previous two lectures at the <u>beginning</u> of most labs. There will be no in-lab quiz makeups but two of the lowest 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 assignments, attendance and exams taken in the lab.

IN-LECTURE QUESTIONS: Each lecture video has embedded questions which are automatically scored.

GRADING SUMMARY

Grade Type	Percentage of Grade
Lecture Exams	60 %
Lab Exams /Assignments	20 %
In-Lecture Questions	10 %
Lecture Quizzes	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 27, 2023

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 to lab is mandatory. Students are responsible for all information presented during absences - regardless of the reason. When absences become excessive and, in the opinion of the instructor, minimum course objectives cannot be met, the student may be withdrawn from the course. Ultimately, It is the student's responsibility to withdraw from this course. Students who just stop coming 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 https://www.southplainscollege.edu/admission-aid/apply/schedulechanges.php.

COVID-19: For information and resources about COVID-19, please visit https://www.southplainscollege.edu/emergency/covid19-faq.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 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 lab. Do not text or answer calls during lab time.
- Use of other electronic devices including laptops. Not only is this distracting, but research shows that handwritten notes are more effective. I reserve the right to allow laptop use on an individual basis.
- Headphone or earbud use.
- Sleeping in 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 any of the above behavior and may be asked to leave the room. If the 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 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. Students are encouraged to read about the chemicals used in the lab. The MSDS notebook is located in room 146 of the science building. These sheets can also be found online. 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 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.

Title IX Pregnancy Accommodations: If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To activate accommodations, you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Health and Wellness Center. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Health and Wellness Center at 806-716-2529 or email dburleson@southplainscollege.edu for assistance.

SPC Diversity Statement: In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Spring 2023 General Weekly Schedule

	Mon	Tue	Wed	Thu	Fri
8 am	Lecture			Lecture	
	Posted			Posted	
9					Office Hours
_	Office Hours	1409 002	1409 003 LAB	1409 002	
10		Lecture	S189	Lecture	
		S80	Quizzes and	S80	
11		Office Hours	Tests	1409 002 Lab	
				S189	
12 pm					
p					
1	1409 001		1409 001		
-	Lecture		Lecture		
2	S80		S80	Office Hours	
-	Office Hours		1409 001 Lab		
3			S189		
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Final Thoughts:

- Although there is flexibility as to when you watch lectures, labs must be attended each week and the exams dates are set.
- I STRONGLY suggest **taking notes** as you listen to the lectures. Pause the videos as needed.
- 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.

	TBD	Final Lecture Exam Date TBD			
Collection DUE Lab Test	Wed May 3	Semester Review and Catch up	Mon May 1 Thur May 4	15	
Pig Dissection Torso and Heart Model	Wed Apr 26		Mon Apr 24 Thur Apr 27	14	or Source Jacoura
Pig Dissection Torso and Heart Model	Wed Apr 19	 Nutrition and Digestion Reproductive system 	Mon Apr 17 Thur Apr 20	13	Organ Systems
Lecture and Lab Test	Wed Apr 12	Organization Exchanges and Regulation	Mon Apr 10 Thur Apr 13	12	
Frog Dissection; ID: Vertebrates	Wed Apr 5	Mammals	Mon Apr 3 Thur Apr 6	11	
Fish Dissection; ID: Arthropads	Wed Mar 29	Vertebrate Diversity /Fish Amphibians, Reptiles, Birds	Mon Mar 27 Thur Mar 30	10	
Crayfish Dissection; ID: Molluscs, Annelids, Echinoderms	Wed Mar 22	Annelids/Mollusks/Echinoderms Arthropods	Mon Mar 20 Thur Mar 23	9	Animal Diversity
	arch 13-19	Spring Break March 13-19			
Roundworm/Earthworm Dissection ID: Sponges, Cniderians, Nematodes	Wed Mar 8	Porifera/Cnidarians/Flatworms Roundworms	Mon Mar 6 Thur Mar 9	8	
Lecture and Lab Test	Wed Mar 1	Animal Classification	Thur Mar 2	7	
			Mon Feb 27	,	
Fruit and Flower Dissection	Wed Feb 22	Flowering Plant Reproduction Plant hormones and behavior	Mon Feb 20 Thur Feb 23	6	Plants
Plant Morphology and Anatomy	Wed Feb 15	Plant Structure Plant Function	Mon Feb 13 Thur Feb 16	5	
Lecture and Lab Test	Wed Feb 8		Mon Feb 6 Thur Feb 9	4	
Fungi and Plant Diversity	Wed Feb 1	Fungi Plant Diversity	Mon Jan 30 Thur Fcb 2	3	Diversity
Microscope Review, Microbes, Protista	Wed Jan 25	Prokaryotes Protista	Mon Jan 23 Thur Jan 26	2	Introduction to
Тахопотту	Wed Jan 18	Introduction, I ife Defined and Organized History of Life	Tue Ian 17 Thur Jan 19	1	
Laboratory		Lecture Post Date and Topic		Week	Unit
	9 Spring 2023	Tentative Schedule HYBRID Bio 1409 Spring 2023			