

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 2019

Course Information
Biology II for Non-Science Majors (BIOL 1409)
Spring 2019

Instructor: Dr. Eric Niederhauser

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Office Hours: Monday: 9:30 – 12:00, 2:30 – 3:30

Tuesday: 8:30 – 10:00

Friday: 8:00 – 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 organism diversity, ecology, and animal and plant structure and function.

Course Implementation:

PREREQUISITE: None. CREDIT: Four semester hours

TEXT: Campbell, *Essential Biology with Physiology*, 5th Ed. by Simon, Dickey, Hogan and Reece. The book is recommended but not required.

REQUIRED LAB MANUAL: Download from Blackboard and print. You must bring it to lab.

Blackboard: Grades, lab manual, 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.

Email: I may occasionally send emails 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 it regularly.

Grading

EXAMS: There will be four exams given during the semester covering both lecture and lab. The exams will be announced in advance. Lecture exams 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 partly comprehensive.

Do not miss exams. If you know in advance that you will be absent on an exam day, 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 and you will receive a zero for the exam.**

IN-CLASS QUIZZES: There will be quizzes at the beginning of most classes. If you are late for class you will receive a zero for that day's quiz. There will be no in-class quiz makeups but at least three of the lowest in-class quiz grades will be dropped. Students with 4 or more absences AND tardies will NOT have the lowest quiz grades dropped. Quizzes will use a remote clicker system.

ASSIGNMENTS: Graded assignments may be assigned. I will not accept them late.

LAB GRADES: Based on assignments, quizzes and the exams taken in the lab. Lab exams will primarily be fill-in-the blank.

GRADING SUMMARY

Grade Type	Percentage of Grade
Exams	60 %
In-Class Quizzes/Assignments	20 %
Lab Exams/Assignments/Participation	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: April 25, 2019

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 - 3rd 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).

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.

General Attendance Policy: Punctual and regular class attendance is mandatory. Students are responsible for all class work covered during absences from class, even in cases in which they are able to satisfy the instructor that the absence was unavoidable. When unavoidable situations such as illness, weather, an official college trip, or a death in the family causes one absence, it is polite but not necessary to let the instructor know.

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 will be considered for withdrawal from the class – with the grade of “F.” If you intend to withdraw from the course, please see me and officially withdraw, do not just stop coming to class. To avoid an unexpected failing grade meet with the instructor should problems arise.

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 for the day and any work missed will receive a grade of zero.

If something extraordinary arises during the semester, I will certainly take this into consideration and some exception to the attendance policy may be made.

Tardy Policy: Arriving to class late is disruptive. If you are late, please come in quickly and quietly take your seat. You will not be given credit for the in-class quiz. A student who is consistently tardy will be withdrawn from the class. If you are tardy please see the instructor after class to ensure you were noted as present. 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. **All cell phones etc. should be turned OFF inside the classrooms - both lecture and lab. Cell phones should not be in view.** Do not text during class or lab. Do not leave class or lab to answer phone calls.
- Use of other electronic devices including laptops. 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 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.

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” documentation and training 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 which may be incurred while utilizing various chemicals 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 - South Plains College permits the lawful carry of concealed handguns in accordance with Texas state law, and Texas Senate Bill 11. Individuals possessing a valid License to Carry permit, or the formerly issued Concealed Handgun License, may carry a concealed handgun at all campus locations except for the following.

- Natatorium

For a complete list of campus carry exclusions zones by event, please visit <http://www.southplainscollege.edu/campuscarry.php>

Tentative Schedule Bio 1409 Spring 2019

Unit	Week	Date	Topic	Chapter	Laboratory Topic
Introduction to Diversity	1	Mon Jan 14 Wed Jan 16	Welcome/Introduction History of Life	14 (286-289) 15 (294-298)	Taxonomy
	2	Mon Jan 21 Wed Jan 23	No Class Prokaryotes	15 (299-306)	Microscope Review, Microbes, Protista
	3	Mon Jan 28 Wed Jan 30	Protista Fungi	15 (307-311) 16 (328-332)	Fungi and Plant Diversity
	4	Mon Feb 4 Wed Feb 6	Plant Diversity TEST 1	16 (316-323)	Test
plants	5	Mon Feb 11 Wed Feb 13	Plant Structure Plant Function		Plant Morphology and Anatomy
	6	Mon Feb 18 Wed Feb 20	Flowering Plant Reproduction Plant hormones and behavior	28 and 29	Plant Reproduction
	7	Mon Feb 25 Wed Feb 27	Plants and people, Ecology Link TEST 2		Test
	8	Mon Mar 4 Wed Mar 6	Animal Classification Porifera/Cnidarians/Flatworms	17	Roundworm/Earthworm Dissection
Mar 11 - 15 Spring Break					
Animals	9	Mon Mar 18 Wed Mar 20	Roundworms Annelids/Mollusks/Echinoderms		Crayfish Dissection; ID: Sponges, Cnidaria, Worms
	10	Mon Mar 25 Wed Mar 27	Arthropods Vertebrate Diversity /Fish		Fish Dissection; ID: Molluscs, Arthropods, Echinoderms
	11	Mon Apr 1 Wed Apr 3	Amphibians, Reptiles, Birds Mammals		Frog Dissection; ID: Vertebrates
	12	Mon Apr 8 Wed Apr 10	TEST 3 Organization		Test
Organ Systems	13	Mon Apr 15 Wed Apr 17	Exchanges and Regulation Nutrition and Digestion	21 22	Pig Dissection Torso and Heart Model
	14	Mon Apr 22 Wed Apr 24	No Class Reproductive system	26	Pig Dissection Torso and Heart Model
	15	Mon Apr 25 Wed May 1	Circulation and Respiration Immune System	23 24	Collection DUE Test

Final Exam