Fayetteville State University
College of Arts and Sciences
Department of Natural Sciences
BIOL 130-D1 General Biology II
Fall 2008

I. Locator Information

Instructor	Dr. Stephen J. Salek
Credit Hours	4.00
Course Location & Meeting Time:	Lecture TR 11:00 -12:15 LS 102 Lab M 10:00-11:50 LS 116
Total Contact Hours	4.00
Office Hours	M 2:00-3:00, TR 9:00-11:00, 1:00-2:00, F 1-2
Office Location	LSA 332 or LSA 340 LAB
Office Telephone (Office)	use email before calling 672 -1050 672-2103 (lab)
E-mail	ssalek@uncfsu.edu

Course Website: You must log on through FSU's Blackboard Gateway @ ***http://blackboard.uncfsu.edu/***. You will need your network login and password for access.

FSU Policy on Electronic Mail: Fayetteville State University provides to each student, free of charge, an electronic mail account that is easily accessible via the Internet. The university has established email as the primary mode of communicating with enrolled students about impending deadlines, upcoming events, and other information important to student progression at the university. Students are responsible for reading their email on a regular basis to remain aware of important information disseminated by the university. The university maintains open-use computer laboratories throughout the campus that can be used to access electronic mail.

Students making inquiries via email to FSU faculty and staff about academic records, grades, bills, financial aid, and other matters of a confidential nature are required to use their FSU email account.

Rules and regulations governing the use of FSU email may be found at: http://www.uncfsu.edu/PDFs/EmailPolicyFinal.pdf

II. COURSE DESCRIPTION

Biology 130, General Biology II, is designed to acquaint Biology non-majors and majors with the science of living organisms and to familiarize them with general techniques and methods employed by scientists. The course aims to equip students with facts and skills necessary to make informed decisions in today's scientifically complex environment. Major areas of study include structure/function relationships in plants and animals, adaptation, and homeostasis, biodiversity, relationships between organisms at the population and community level, relationships between organisms and their environments at the ecosystem level, and to evolutionary biology. Includes two (2) hours of internet laboratory (see below) exercises applying concepts learned in lecture.

Prerequisite: Biology 110 or equivalent and a willingness to put in plenty of study. This course requires you to access the course website through blackboard in order to view online lectures and all other course materials. The ability to use internet technology, especially blackboard is expected. Each week you are expected view the online lectures, complete assigned readings, complete and submit assignments, complete internet labs, and complete the discussion board. This is a considerable amount of work so you need to keep up on a weekly basis – I do not except late work.

III. Disabled Student Services: In accordance with Section 504 of the 1973 Rehabilitation Act and the Americans with Disabilities Act (ACA) of 1990, if you have a disability or think you have a disability to please contact the Center for Personal Development in the Spaulding Building,

IV. TEXTBOOK

Campbell, Reece, Taylor and Simon. 2006. Biology: Concepts and Connections, 5th ed. Addison Wesley Longman, Inc. ISBN 13 978-0-321-51244-4
You will not need a laboratory manual for this class.

V. Student Learning Outcomes

By the end of this course each student should be able to:

1. Explain where atoms come from.
2. Have a general understanding of the history of life as it is presently understood and explain the basic mechanisms of evolution.
3. Identify the seven major levels of classification of living things.
4. Describe the three domains of life.
5. Distinguish among the kingdoms of Eukaryotes.
6. Explain theories about the origin of life.
7. Describe the main characteristics that distinguish viruses from bacteria and bacteria from Protists.
8. Understand the harmful and beneficial effects of microorganisms.
9. Describe the body plan of a fungus.
10. Contrast saprophytic and parasitic fungi.
11. Contrast vascular with nonvascular plants.
12. Contrast the seed plants with other vascular plants.
13. Describe the characteristics of the major animal phyla and name examples of animals from each of those phyla.
14. Describe the structure and functions of epithelial, connective, muscular, and nervous tissue.
15. Identify the locations of human organ systems.
16. Explain how various organ systems contribute to homeostasis.
17. Identify the components of blood and indicate their functions.
18. Trace the flow of blood through the human circulatory system.
19. Explain how the specific defense response works.
20. Explain how immunization works.
21. Name the organs in the human digestive system and explain their functions.
22. Understand the nutrient requirements of humans.
23. Compare the respiratory systems of aquatic animals with those of terrestrial animals.
24. Name the parts of the human respiratory system and indicate their functions.
25. Understand the role of the liver and kidneys in maintaining homeostasis.
26. Explain the action of an excretory system.
27. Understand how nervous impulses are transmitted.
28. Name the major parts of the vertebrate brain and indicate an important function of each part.
29. Name the parts of the human eye and ear and explain the functions of their parts.
30. Name the three major types of skeletons in the animal kingdom and explain how they differ.

31. Explain how muscle contraction occurs.
32. Name the major endocrine glands, indicate where each is located in the human body, and name a function for each one.
33. Describe the parts of the human male and female reproductive systems and explain their functions.
34. Understand factors affecting an organism's behavior and how its behavior relates to its environment.
35. Understand how density of populations may be regulated.
36. Describe the flow of energy through an ecosystem.
37. Describe nutrient cycles in an ecosystem.
38. Name and describe the earth's major biomes.

VI. Course Requirements and Evaluation Criteria

All assignments must be completed by or before the date and time listed on the schedule page. These dates and times will be clearly stated ahead of time in the syllabus and on the schedule page. I will not accept late work, and will issue a zero for all late work with the exceptions listed below (see "Tardy and Incomplete work"). All complaints and concerns should initially be made to me before bringing them to any other university employee. Complaints that go over my head without first bringing them to me first will become complicated. All students must send me an email stating that they agree to the terms in this syllabus. Online courses are difficult and require extreme diligence and discipline. You should carefully consider all course policies before taking this course.

ATTENDANCE AND WITHDRAWAL

Since this is an online course, you are expected to complete all work. Online courses do allow you the flexibility to travel and work at your own pace with one exception. If you are not able to turn in your assignments during a particular week, they must be turned in prior to that week, not after that week. If you must withdraw from the course it is YOUR responsibility to complete the necessary paperwork for the withdrawal. If you stop completing assignments without officially withdrawing from the course, you will receive the grade earned based on your point total (at the time you stop attending) divided by the maximum points (as if you had completed ALL work). This usually means a grade of F will be recorded.

If you do not interact with the course by 9/2/2008, you will be considered a no show (see below) and an interim grade if "X" will be entered. It is the student's responsibility to carefully look at all due dates at the beginning of the semester and adjust their schedules to accommodate assessment deadlines. Any student unwilling to do this must drop the class immediately.

EVALUATION CRITERIA

Assignments	**Points**
4 Exams	100 each (lowest dropped)
Internet Lab exercises	50
Laboratory exams (2) 25 pts ea.	50
Essays and chapter summaries/assignments	100
Final exam (cannot be dropped)	100
Discussion boards	100
Total	**700**