

## BIOLOGICAL SCIENCE II

Date 4/14/2010

<u>C</u> - <u>L</u> - <u>CR</u>
3 - 3 - 4

**COURSE NUMBER:** BIO 102

**PREREQUISITE(S):** BIO 101 with a C or higher

**CO-REQUISITE(S):** None

**COURSE DESCRIPTIONS** This course is a study of the classification of organisms and structural and functional considerations of all kingdoms (particularly major phyla as well as viruses). Vertebrate animals and vascular plants are emphasized.

**COURSE OUTCOMES** Students who complete this general education core curriculum course should be able to demonstrate

1. rationality, logic and coherence, through critical thinking;
2. their ability to express themselves effectively in written and oral communication;
3. their ability to express themselves effectively in quantitative and qualitative terms;
4. the scientific method of inquiry;
5. their ability to access, retrieve, synthesize and evaluate information.

**TEXTBOOK(S):** Selected Chapters from BIOLOGY ; *Sylvia S. Mader* 10<sup>th</sup> Edition  
BIO 102: Biological Science II Special Edition

Selected LABS from Laboratory Manual to Accompany BIOLOGY 10<sup>th</sup> ed;  
*Sylvia S. Mader*  
BIO 102: Biological Sciences II Special Edition

**REFERENCE(S):** N/A

**OTHER REQUIRED MATERIALS, TOOLS, AND EQUIPMENT:** All lecture notes and PowerPoint slides are available to the student

**METHOD OF INSTRUCTION:** Lecture and discussion, demonstrations, lab exercises, audio-visual materials, on-line resources, quizzes and written exams.

**GRADING SYSTEM:**

90	-	100	=	A
80	-	89	=	B
70	-	79	=	C
60	-	69	=	D
Below		60	=	F

**GRADE CALCULATION METHOD:**

Four lecture exams	=	40%
Three lab exams @ 10% each	=	30%
Presentation materials	=	3%
Presentation	=	7%
Final Exam (required and comprehensive)	=	<u>20%</u>
	=	100%

## **ATTENDANCE POLICY:**

The student is responsible for punctual and regular attendance in all classes, laboratories, clinical, practical internships, field trips, and other class activities. The College does not grant excused absences; therefore, students are urged to reserve their absences for emergencies. **When illness or other emergencies occur, the student is responsible for notifying instructors and completing work missed.**

During the first 75% of the course a student may initiate withdrawal and receive a grade of a W. A student cannot initiate a withdrawal during the last 25% of the course.

The student is tardy if not in class at the time the class is scheduled to begin and is admitted to class at the discretion of the instructor. If late, please enter the class discreetly. Tardiness during an exam or lab practical day will result in a 10% penalty. THERE ARE NO MAKE UP EXAMS OR PRACTICALS. An unexcused absence results in a zero.

**Instructors maintain attendance records. However, *it is the student's responsibility to withdraw from a course. A student enrolling in and attending at least one course session remains enrolled until the student initiates a withdrawal.***

### **LAST DATE FOR WITHDRAWAL**

Absences for Religious Holidays: Students who are absent from class in order to observe religious holidays are responsible for the content of any activities missed and for the completion of assignments occurring during the period of absence. Students who anticipate their observance of religious holidays will cause them to be absent from class and do not wish such absences to penalize their status in class should adhere to the following guidelines:

1. Observance of religious holidays resulting in three or fewer consecutive absences: Discuss the situation with the instructor and provide written notice at least one week prior to the absence(s). Develop (in writing) and instructor-approved plan which outlines the make up of activities and assignments.
2. Observances of religious holidays resulting in four or more consecutive absences: Discuss the situation with the instructor and provide the instructor with written notice within the first 10 days of the academic term. Develop an instructor-approved plan with outlines the make up of activities and assignments.

## **CLASSROOM CONDUCT:**

**ACADEMIC DISHONESTY:** Students are expected to uphold the integrity of the College's standard of conduct, specifically in regards to academic honesty. All forms of academic dishonesty including, but not limited to, cheating on assignments/tests, plagiarism, collusion, and falsification of information will call for disciplinary action. Disciplinary action imposed may include one or more of the following: written reprimand, loss of credit for assignment/test, termination from course, and probation, suspension, or expulsion from the College. For further explanation of this and other conduct codes, please refer to the Student Handbook.

**CELLULAR PHONES AND PAGERS/BEEPERS:** Cellular phones, pagers and beepers are not permitted to be turned on or used within the classroom. Use of these devices during classroom time will be considered a violation of the student code as it relates to "disruptive behavior."

**CLASS/LAB  
PROCEDURES:**

Preparation for lab:

1. Read over the lab before coming to class.
2. Come prepared to do the work each day.
3. Be in your place with text and lab manual at the beginning of the period.
4. Do not disturb the lab equipment that has been set out on the lab table until given instructions by the instructor.
5. Pay careful attention to the printed instructions.
6. Be considerate of your lab associates. Your activities may disturb them so they are unable to benefit from the lab.
7. Do your fair share of the work. Before you leave, be sure **ALL** equipment is cleaned up and put away, wastes discarded in the trashcan, your stool pushed in place, and the lab area cleaner than you found it.
8. No eating or smoking in the lab. **Food and drinks should never be found on the lab tables.**
9. Report immediately to the instructor any emergencies or injuries that occur.
- 9a. **Safety goggles must be used during all wet labs.**
10. **No food or drinks are allowed on lab benches!**

**ACCOMMODATIONS:**

Students who need special accommodations in this class because of a documented disability should notify Student Disability Services. You may contact Student Disability Services by calling, (864) 592-4811, toll-free 1-800-922-3679; via email through the Spartanburg Community College web site at [www.sccsc.edu/SDS/](http://www.sccsc.edu/SDS/); or by visiting the office located in the Dan Lee Terhune Student Services Building, room 112 of the Spartanburg Community College campus. By contacting Student Disability Services early in the semester, students with disabilities give the College an opportunity to provide necessary support services and appropriate accommodations.

***Program Coordinator:***

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**COURSE OUTCOMES &  
OBJECTIVES:**

Students who complete this general education core curriculum course should be able to demonstrate

1. rationality, logic and coherence, through critical thinking;
2. their ability to express themselves effectively in written and oral communication;
3. their ability to express themselves effectively in quantitative and qualitative terms;
4. the scientific method of inquiry;
5. their ability to access, retrieve, synthesize and evaluate information.
  - a. Identify anatomical structures and life cycles of Viruses
  - b. Identify and differences between Prokaryotes vs. Eukaryotes

- c. Identify classification systems and characteristics for Domain Bacteria & Domain Archaea and place representative organisms within the classification system.
- d. Identify classification systems and characteristics for Domain Eukarya.
- e. Identify classification systems and characteristics for Kingdom Protista and place representative organisms within the classification system.
- f. Identify classification systems and characteristics for Kingdom Fungi and place representative organisms within the classification system.
- g. Identify classification systems and characteristics for Kingdom Plantae and place representative organisms within the classification system.
- h. Identify classification systems and characteristics for Kingdom Animalia and place representative organisms within the classification system.
- i. Identify organ systems, their function in humans, and place organs in correct systems.
- j. Prepare and present a scientific report on an aspect of biology. Perform laboratory assignments, collect data, and formulate conclusions based on experimental results.

**SYLLABUS  
ADDENDUM**

**BIOLOGICAL SCIENCES II  
BIOLOGY 102  
COURSE CALENDAR—FALL 2010**

<b>Week of</b>	<b>LECTURE</b>	<b>LAB (WED)</b>
8/16	T: Intro Syllabus, Chapt 15 Th: Chapt 16	Overview of Lab
8/23	T: Chapt 17 Th: Chapt 18	LAB 13
8/30	T: Chapt 19 Th: EXAM 1	LAB 14
9/6	T: Chapt 20 Th: Chapt 21	LAB 15
9/13	T: Chapt 22 Th: Chapt 22 REVIEW	PRACTICAL 1
9/20	T: EXAM 2 Th: Chapt 23	LAB 16
9/27	T: Chapt 24 Th: Chapt 25	LAB 17
10/4	T: Chapt 26 Th: REVIEW	LAB 18
10/11	T: EXAM 3 Th: Chapt 28	PRACTICAL 2
10/18	T: Chapt 29 Th: Chapt 30	LAB 22
10/25	T: Chapt 30 Th: EXAM 4	LAB 23
11/1	T: NO CLASS (Elections) Th: Chapt 43	LAB 24
11/8	T: Chapt 44 Th: Chapt 45	PRACTICAL 3
11/15	T: Chapt 46 Th: Turn in papers	LIBRARY DAY
11/22	T: Chapt 47 Th: NO CLASS (Thanksgiving)	<b>NO LAB (Thanksgiving)</b>
11/29	T: Review for final	FINAL EXAM (TBA Dec 1-3)

- Schedule is tentative and dates and material are subject to change



## Procedure for Dropping Classes Effective Fall Term 2008

- Students are responsible for dropping classes.
- It is important for students to be aware of the deadlines to drop classes each term\*. **If a student stops attending class and does not complete a drop form to drop the course, the student will remain on the class roster and receive a zero for all incomplete assignments.** The instructor will calculate a grade at the end of the term which may result in a grade of F for the course. It is the responsibility of the student to insure that a class is dropped. Students not dropping a class by the end of the drop period will receive the grade they earn in the class. Students who do not drop a class and quit attending the class will owe a re-payment for any financial aid received.
- Not dropping classes as required and in a timely manner can affect your financial aid
- Go to the Student Records Office to initiate a drop form. The Student Records Office is located in room 156 in the Dan L. Terhune Student Services Building.
- Students at the Tyger River Campus and the Cherokee County Campus should check with the Executive Director's staff on the campus to pick up a drop form. Drop forms submitted to the staff at Tyger River and Cherokee County can be faxed to the Student Records Office and must be received by Student Records prior to the deadline for dropping a class. The fax number for Student Records is 864-592-4689. No drop forms will be accepted after the deadline to drop a class.
- Faculty/Advisor signatures are not required to drop a class
- Drop forms must be submitted to the Student Records Office prior to the deadline for dropping classes.
- Drop forms will not be accepted after the deadline to drop classes.
- Students will be allowed to drop classes through the 75% point of the term. The last date on which a student may drop a class will vary per class depending on the start and end dates of the class\*.
- After the census date for each term, a grade of W will be awarded for all classes dropped during the drop period.
- The date a drop form is received by Student Records will be recorded as the last date the class was attended by the student.
- Dates for the allowed drop period will be posted in Student Records and on the SCC Student Records website. Students can call 864-592-4681 or go to <http://www.sccsc.edu/Records/> for information about the deadline for dropping classes

If you have any questions regarding the procedure for dropping classes, please contact the Student Records Office by calling 864-592-4681 and we will be glad to assist you.

Student Records Office P.O. Box 4386 Spartanburg, South Carolina 29305  
[www.sccsc.edu/Records/](http://www.sccsc.edu/Records/) Phone 864-592-4681 Fax 864-592-4689