

Biological Sciences II - online

Revised 8/1/2011

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<u>Course Number</u>	BIO 102 Classroom/Lab: B1 Lead Instructor: Dr. Abby Babock (babcocka@sccsc.edu) Department Chair: Dr. Berta Hopkins (hopkinsb@sccsc.edu)
<u>Prerequisite(s)</u>	BIO 101 with a minimum grade of “C” or better.
<u>Co-requisite(s)</u>	None
<u>Course Description</u>	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.
<u>Course Outcomes</u>	Students should be able to demonstrate: <ol style="list-style-type: none">1. Rationality, logic and coherence through critical thinking;2. Their ability to express themselves effectively in quantitative and qualitative terms;3. The scientific method of inquiry;4. Their ability to access, retrieve, synthesize and evaluate information.
<u>Textbook</u>	BIOLOGY, 10 th Ed. Selected Chapters BIO 102:Biological Sciences II Special Edition <i>Sylvia S. Mader</i> ISBN -10: 0-07-740263-4
<u>Lab Manual</u>	Selected Labs from Laboratory Manual to Accompany: BIOLOGY 10 th Ed. BIO 102 <i>Sylvia Mader</i> . ISBN-10: 0-07-740502-1
<u>References</u>	N/A
<u>Other Required Materials, Tools, And equipment</u>	All course material will be posted on blackboard and/or the Science Dept. Website. Any additional resources (handouts) will be provided to the Student by the instructor. Computer with Internet access, Internet Explorer 5.0 or higher or other current browser, Java, word processing software (must be able to save Word and pdf format), and anti-virus software. Knowledge and usage of Blackboard.If you have problems with any online resources please contact IT support 592-4682 (www.sccsc.edu/it)

Method of Instruction Lecture and discussion, demonstrations, audio-visual materials, on-line resources, projects, and written exams.

Grading system

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

Grade calculation

Lecture exams (100 pts each) x 4	= 400
Presentation topic paper	= 10
Presentation	= 80
Lab exams (100 pts each) x 3	= 300
Lab attendance/participation	= 10
Final Exam (required & comprehensive)	= 200
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	= 1000

Lecture exams All lecture exams (including the final exam) will be taken in the testing center on the Main Campus (East Building E3) during the testing center's hours. **You must bring Student or pictured ID with you.** You will have 2 hours to take the exam which is available to you for one week on the specified dates located in the IMPORTANT DATES FILE IN BLACKBOARD and in the schedule below. These are paper exams which consist of multiple choice and short discussion questions.

*Content for each test is found within your textbook, powerpoints, and my video recorded lectures found under Panopto Lecture Capture.

Attendance Policy See Student Handbook Pages 77-80
 The withdrawal date for Fall semester will be **04/02/2012**
 The drop/add period ends **1/13/2011**
 ****An electronic e-mail is required from each student to the instructor by the end of the drop/add period. At this time the Instructor will drop the student from the course if it is not received.
There are 6 Friday labs with mandatory attendance. (Dates and times are located under IMPORTANT DATES FILE on blackboard and in the schedule below, these labs are completed on main campus West building B1)

Academic Conduct Academic dishonesty
 Please See Student Handbook Page 98
Cellular phones and pagers/beepers
 Please see Student Handbook Pages 76-77

Confidentiality All students' e-mail addresses may be available to other students in the class. Although some assignments in an online course may encourage or require peer communication, the instructor will make every effort to

protect the confidentiality of any personal communication (for example, grades). However, you should recognize that e-mail and other electronic media are not secure; there is no guarantee of the privacy of your e-mail or other information.

Appropriate online behavior:

The use of Spartanburg Community College's website, e-mail service or course management software for creation and/or distribution of material not pertaining to course participation is prohibited and is grounds for dismissal according to College policy under "disruptive behavior." Such actions, include, but are not limited to:

Inappropriate use of email and discussion boards for:

- Harassment
- Unlawful solicitation
- "Spamming"
- "Flaming"

Use of online editing tools within the course management software to:

- Create offensive material
- Link to inappropriate materials

Class procedures

Biology requires no one miss over 10 hours of lecture Preparation:

1. Read over the material before coming to class.
2. Come prepared to do the work each day.
3. Be in your place with lecture notes at the beginning of each class.
4. Pay careful attention to the printed instructions.
5. Be considerate of your class associates. Your activities may disturb them so they are unable to benefit from the lecture/lab.
6. Report immediately to the instructor any emergencies or injuries that occur.

Accommodations

Students who need special accommodations in this class because of a documented disability should notify Student Disability Services by calling (864) 592-4818, toll-free 1-800-922-3679; via email through the SCC web site at www.sccsc.edu/resources/disabilities; or by visiting the office located in the East Building Room 30-B on the SCC Central campus. Contacting Student Disability Services early in the semester gives the College an opportunity to provide necessary support services and appropriate accommodations.

Course
Competencies &
Objectives

Upon satisfactory completion of this course, the Student will be able to:

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 presentation on an aspect of biology. Perform laboratory assignments, collect data, and formulate conclusions based on experimental results.

The following are important dates that you should mark on your calendar:
Dates and times of labs you will attend on the main campus **West building B1** (the lab numbers correspond to your Biology 10ed. Selected Labs Manual):

January 20	9:00 am- 1:00 pm Lab 14 Bacteria and Protists Lab 15 Fungus
February 3	9:00 am- 1:00 pm Lab Practical #1 (over labs 14/15) TURN IN TOPIC PAPER Lab 16 Nonvascular and seedless vascular plants
February 24	9:00 am- 1:00 pm Lab 17 Seed plants Lab 18 Organization flowering plants
March 9	9:00am - 1:00pm Lab Practical #2 (over labs 16,17,18) Lab 22 Invertebrates
March 23	9:00 am- 1:00 pm Lab 23 Invertebrate Coelomates Lab 24 Vertebrates
April 13	9:00 – 1:00pm Practical #3 (over labs 22,23,24) PRESENTATIONS

Dates of Lecture exams: ALL EXAMS ARE TO BE TAKEN IN THE **TESTING CENTER (East Building E3)** (You must bring a pictured ID with you)

EXAM 1 (Chapt 15-19)—TEST AVAILABLE **Jan 20-27**

EXAM 2 (Chapt 20-22)—TEST AVAILABLE **Feb 10-17**

EXAM 3 (Chapt 23,24,26)—TEST AVAILABLE **March 2-9**

EXAM 4 (Chapt 28-30) TEST AVAILABLE **March 23-30**

EXAM 5 (FINAL EXAM) (Chapt 43,44,45,47)) TEST AVAILABLE **April 20-25**