



Syllabus/Course Policies/Course Schedule

Course Number and Title: BIO 1144 General Biology II
Instructor: Melanie M. Jennings
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Office Hours: Virtual Hours by Appointments Only

Course Description:

A combined lecture and laboratory course for science majors that reinforces concepts introduced in BIO 1134 General Biology I, while emphasizing the diversity of life. Topics covered include evolution, classification, ecology, detailed consideration of each group of organisms and viruses, study of animals and plants including their basic anatomy and physiology. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.

Prerequisite: BIO 1134 with a grade of "C" or higher grade

Semester Credit Hours: 4

Required Text:

1. **Textbook:** Raven and Johnson, Biology, 10th Edition. New York: McGraw-Hill, 2011.
2. **Laboratory Manual:** Rye, Tindall and Williams, General Biology II Lab Manual, 3rd Edition, Cengage Learning, 2011.

Student Learning Outcomes:

- SLO # 1:** Recognize the structural features of the major vertebrate and invertebrate groups of animals.
- SLO # 2:** Identify the morphology of plant organs.
- SLO # 3:** Group organisms according accepted taxonomic principles.
- SLO # 4:** Identify the characteristics of animals.

Diversity of Plants

Students will be able to:

- 1) Characterize the mosses, seedless vascular plants, gymnosperms, and angiosperms.

Structure and Organization of Plants

Students will be able to:

- 1) Describe the generalized body plan of a flowering plant.

Growth and Responses in Plants

Students will be able to:

- 1) Describe the general pattern of plant growth and list the factors that cause plants to germinate.

Reproduction in Plants

Students will be able to:

- 1) Identify flower parts and associated functions.

Viruses, Bacteria, and Archae

Students will be able to:

- 1) Describe the principle types of bacteria.
- 2) Describe the structure and reproduction cycles of viruses.
- 3) Distinguish the Eubacteria from the Archaeobacteria.

The Protists

Students will be able to:

- 1) Describe the criteria for admission to the Kingdom Protista.

The Fungi

Students will be able to:

- 1) Describe the various types of fungal body plans, patterns of reproduction and natural history.

Animals: Introduction to Invertebrates

Students will be able to:

- 1) Trace the development of symmetry, body cavity, cephalization and segmentation in the invertebrates.

The Protostomes

Students will be able to:

- 1) Describe the anatomical features of animal representatives.

The Vertebrates

Students will be able to:

- 1) Describe the four characteristics that are distinctive of chordates.
- 2) Give examples of each major class of vertebrates and discuss differences.

ELEARNING CLASS ATTENDANCE POLICY (per the EMCC catalog):

All students are expected to attend and participate in class and submit assignments on a regular basis, at least weekly. Attendance is taken regularly each week based on the submission of weekly assignments as otherwise noted in the syllabus. In all cases, attendance is taken at least weekly. Distance learning students are subject to EMCC's excessive absence policy. If a student is considered absent for a given week by the instructor the student will have accrued one absence. A student will be withdrawn from the class upon the 3rd unexcused absence.

WITHDRAWAL PROCEDURE FOR ONLINE STUDENTS (per the EMCC catalog):

Students who want to withdraw from a class must visit the EMCC campus where the student registered to pay for and complete a withdrawal form.

For students who are unable to visit campus: Call the Business Office to pay for a withdrawal form by credit card and contact the Distance Learning Office at your campus to provide course information and a fax number. The DL staff person will complete the form and fax a copy to you for your signature. It must be signed and returned by fax to the Distance Learning Office for processing. Unless the DL staff person receives your signed form, your withdrawal request will not be processed and your class(es) will not be withdrawn.

HONESTY POLICY:

A hallmark of any profession is integrity and honesty. Academic honesty is expected of all students; therefore, each student is expected to accomplish his/her own work. Academic misconduct includes, but is not limited to, deceptive acts such as the following:

- a. plagiarizing from any source
- b. cheating in any manner on tests, papers, reports, etc.
- c. turning in work as their own when, in fact, it was not their work
- d. improperly using technology
- e. stealing, buying, or selling course materials
- f. either impersonating another student during a test or having another person assume ones identity during a test
- g. deliberately conveying false or misleading information

When academic misconduct has occurred, the instructor has the responsibility of assigning an appropriate penalty in accordance with the instructor's institutional policy.

This may include failure of the assignment, failure of the course, or dismissal from the institution.

GRADING POLICY:

Grades for this course will follow the standards published in the EMCC College Catalog.

A (100-90) B (89-80) C (79-70) D (69 – 60) F (below 59)

Activity	Points
Unit Tests (4 @ 50 pts. each)	200
Cumulative Final Exam (1 @ 150 pts)	150
Laboratory Exercises (6 @ 10 pts. each)	60
SLO Quiz (1 @ 10 pts.)	10
Daily Quizzes/Assignments (14 @ 10 pts. each)	140
Discussion (7 @ 10 pts. each)	70
Total	630

All work must be completed by the posted due date. Late work will receive a grade of zero.

Each week's assignments will be posted by Monday morning of the week. All assignments are due at midnight on the following Sunday.

Students who have questions about a grade received should immediately contact the instructor to resolve the issue. This action must occur within the week of the grade posting. After this time, it will be assumed that the grade has not been disputed and it will become a matter of record as it stands.

ONLINE TESTING INFORMATION (per the EMCC catalog):

Students taking an online course are required to take one or more proctored exams. The student is responsible for making an appointment with a designated proctor at an approved testing location for taking any proctored exam. Appointments must be made in advance. A listing of approved testing locations and proctors can be found at <http://emcc.blackboard.com>.

PROCTORED FINAL EXAM:

The final proctored exam will be comprehensive. Final exams must be taken at an approved proctored testing site which will require the student to travel to their college. It is your responsibility to contact the proctor at your community college & schedule a time for these exams. You will have to travel to your community college and show the proper I.D. to access any proctored exam. You will not be able to use your textbook, notes, or any other materials for this exam. Instructions for proctored testing are located on the Blackboard portal page.

MSVCC GRIEVANCE POLICIES:

Students who register through the MSVCC will be subject to the disciplinary policies and procedures of the student's host College. (The **host College** is the institution where the student registers for the class.)

Any student who wishes to make a complaint regarding any aspect of the MSVCC must take the following steps:

1. Discuss the problem with the faculty member, staff member, or administrator involved. Direct communication between the two parties usually resolves most of the problems.
2. If informal efforts to resolve the problem are not productive, the complainant should then contact the eLearning Coordinator (eLC) at the student's host college to help in processing the complaint. (*Host College is the institution where the student registers for class.*)
3. If the complainant, at this point, wishes to file a formal complaint, he or she should express the specific nature of the complaint and the remedy sought in writing to the providing college's eLC with a copy sent to the host college's eLC (if different). The providing eLC will then refer it to the appropriate person for disposition. A response will be made to the complainant within 15 working days. (*Providing college is the institution teaching the course.*)
4. If the student is not satisfied with the resolution of the grievance, her/she must follow the procedures for appeal as prescribed by the student's providing college. The appeal must be made in writing within five (5) working days of the previous decision.
5. Students who do not submit a written appeal by the appointed date forfeit any further consideration in this matter.
6. No adverse action will be taken against a student for filing a complaint.

MSVCC DISCIPLINE POLICY:

Students who register through the MSVCC will be subject to the disciplinary policies and procedures of the student's host college. (*Host College is the institution where the student registers for class.*)

East Mississippi Community 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:

Dr. Andrea Mayfield, Vice President for Scooba Campus

Davis Administration Building

P.O. Box 158

Scooba, MS 39358

662-476-5025 amayfield@eastms.edu

Statement for Students with Disabilities: *EMCC follows all Americans with Disabilities Act standards. Disclosure of a disability is voluntary. Students with disabilities are invited and encouraged to discuss their needs and accommodation strategies with the Dean of Students.*