

Course Outline for BIOL 1030: Introduction to Biology

MW 10:00-11:15 SH233 (lecture)

F 10:00-11:50 SH239 (lab)

Cheri Gregory (Associate Professor, Biology)

Office Location: Main Campus (MWF) – SH214A

Office Phone: Main Campus – (931) 393-1721
Toll Free – 1(800) 654-4877
FAX – (931) 393-1814
E-mail: cgregory@mscc.edu

Course Description: This course examines basic biological principles and surveys the kingdoms of living organisms. Specific topics include: cell structure and function, cell processes and reproduction, inheritance, taxonomy, viruses, bacteria, protists, fungi, plants, animals, and ecology. (4 semester-hours credit)

Prerequisite(s): None

Required Text(s): Biology: Concepts and Applications (Cecie Starr, 6th edition, Thomson Brooks/Cole Publishers, 2006)

Grade Determination: The lecture portion of the class counts 50%, and the lab portion of the class counts 50%. The grading scale is:

A = 90-100%
B = 80-90%
C = 70-80%
D = 60-70%
F = below 60%

Exams: There will be five lecture exams, each covering approximately 1/5 of the course material and composed of primarily multiple-choice questions. The fifth exam will be given only during the time designated by the official Motlow Final Exam Schedule—Monday, December 11, 10:15 AM-12:15 PM. Make-up exams may be different from the regular exams and will be given only for absences due to official college trips or provable emergencies such as illness, death in the family, court duty, or military service. All make-up exams must be taken in the Testing Center, Simon Hall CL200, preferably within one week of the student's return to class.

Quizzes: In addition to the lecture exams, short quizzes will be given periodically during the semester. Sometimes these will be announced ahead of time, and sometimes they will not. They may occur at the beginning, middle, or end of the class period. Usually they will cover material covered in the previous several lecture periods or current events in life science. Quizzes cannot be made up if missed or taken ahead of time. If a student enters the room after a quiz has started, he/she cannot take it. At the end of the semester, the quiz average can replace the lowest exam score or be dropped. The quizzes are designed to help a student's grade. They encourage you to

come to class and study each day instead of cramming for an exam right before it is given.

Grade Reporting: Graded exams and quizzes will be returned to students during class within one week. The Privacy Act prohibits the posting of grades or giving them out over the phone or through e-mail. Final grades can be viewed on Motlow's "Student Web" as soon as final averages are recorded. Please keep a record of your own grades during the semester!

Attendance: A student is expected to attend class and be on time. Regardless of the cause or nature of an absence, a student is responsible for all material covered or assigned during an absence.

OUTLINE OF LECTURE TOPICS

READING ASSIGNMENT

Introduction to Biology; Taxonomy

Chapter 1

Cellular Organization

Chapter 4

Cellular Membranes and Processes

Chapter 5

Mitosis

Chapter 8

Meiosis

Chapter 9

Genetics

Chapters 10 and 11

DNA and RNA

Chapters 12 and 13

Viruses and Bacteria

Chapter 19

Protists and Fungi

Chapter 20

Plants

Chapter 21

Animals (including Humans)

Chapters 22, 23, and 28

Ecology

Chapters 39, 40, 41, and 42

Class Web Page: All lecture notes (in Power Point), exam outlines, and other information used in class are posted on the internet for students to access and print for their own use. Follow either method listed below:

Use WebCT:

1. go to www.mscs.edu
2. click on WebCT (in the lower right corner of the web page)
3. log in to WebCT
Your WebCT ID is your first initial + your full last name + the first four digits of your birthdate. The WebCT ID is in all lower case letters with no spaces. For example, if Carol Smith's birthday is June 17, 1969, her WebCT ID would be csmith0617.

Your password is the same as your PIN number in Student Web. It is your six digit birthdate (mmddyy) unless you have previously changed it. For example: June 17, 1969 = 061769 will be your PIN number only if you have not changed it.

4. After you have successfully logged on, you will see your "my WebCT" page showing the course(s) in which you are enrolled that use WebCT. Click on the link for the class you want to access. The various materials you need to print are listed. To print PowerPoint notes right click on the first slide. Next, click "Print." A window will open that asks you "Print What" (near the lower left corner of the window). Choose to print "Handouts." Click "OK."

Use my Faculty Web Page:

1. go to www.mscs.edu
2. click on "Current Students"
3. click on "Faculty Web Sites"
4. click on "Cheri Gregory—Associate Professor, Biology"
5. download "Adobe Acrobat Reader" (if it is not already on the computer)
6. download "Power Point Viewer/Reader" (if Power Point is not on the computer)
7. click on the course and view the various materials you need to print
To print Power Point notes click on "Print." A window will open that asks you "Print What" (near the lower left corner of the window). Choose to print "Handouts." Click "OK." **If you are using Power Point Viewer to print, you can only print slides as full pages.**

BIOL 1030: Introduction to Biology
Tentative Lab Schedule
F 10-11:50 SH 239

<u>Date</u>	<u>Topic</u>
September 1	Introduction; Scientific Method
September 8	Microscopy
September 15	Cell Structure
September 22	Cell Function
September 29	Mitosis
October 6	Genetics
October 13	Taxonomy; Evolution
October 20	Microorganisms; Diseases
October 27	Plants
November 3	Animals
November 10	Human Body, Health, and Nutrition
November 17	Ecology
November 24	Thanksgiving Holiday (No Class)
December 1	Presentations
December 8	Presentations; Wrap-Up