BIOL 1120: General Biology 2 (Web Online)

**Instructor:**

**Email:**
(I prefer that you use the course-specific email within D2L instead of this one for communicating with me.)

**Office Location:**

**Office Phone:**

**Fax:**

**Office Hours:**

**Credit Hours:** 4  **Contact Hours:** 3  **Lab Hours:** 2

**Prerequisites:** Exemption from or completion of ENGL 0810, READ 0810 and MATH 0810.

**Catalog Description:**
This course examines the major groups of plants and animals. Emphasis is placed on the taxonomy, morphology, physiology, ecology, and evolution of these two kingdoms.

**Group for Whom the Class is Intended:**
BIOL 1120 is generally appropriate (as the second of a two-part science requirement) for all students who require biology or a one-year sequence. The alternate course, BIOL 1030, would be appropriate for the following emphases under the university parallel major: Accounting, Art, Business Administration, Business Education, Communications, Computer Science, Early Childhood Education, Economics, Elementary Education, English, History, Industrial Management, Math, Political Science, Psychology, Secondary Education, Social Science, Social Work, Sociology and Undeclared.

Associate of Science, Tennessee Transfer Pathways, University Parallel: Biology; Pre-Occupational Therapy; Pre-Physical Therapy; Psychology; Social Work. A one-year Natural Science sequence option for Computer Science and Secondary Education. A Natural Science option for General Education curriculum core requirements.

**Required Texts and Lab:**


LearnSmart Lab Registration. Access code purchase required.

**Supplemental Materials:** none required
Program Learning Outcomes:
After completing the requirements of the Natural Science Program, students will be able to . . .
1) Conduct an experiment, collect and analyze data, and interpret results in a laboratory setting.
2) Analyze, evaluate and test a scientific hypothesis.
3) Use basic scientific language and processes, and be able to distinguish between scientific and non-scientific explanations. 4) Identify unifying principles and repeatable patterns in nature, the value of natural diversity, and apply them to problems or issues of a scientific nature.
5) Analyze and discuss the impact of scientific discovery on human thought and behavior.

Student Learning Outcomes:
By the end of the course, students should. . .
1) Be knowledgeable of taxonomy and the evolutionary relationships and significant innovations regarding the different plant and animal groups.
2) Be knowledgeable of animal characteristics related to advancement and complexity and its application to the major animal phyla.
3) Know the major human body systems including the circulatory and reproduction systems.
4) Be knowledgeable about plant anatomical structures and plant reproductive features.
5) Know the significant plant division characteristics.
6) Know significant ecological relationships.

Course Objectives:
Throughout the course, students will have the opportunity . . .
1) To utilize taxonomy in describing relationships between organisms.
2) To observe characteristics unique to each animal phyla.
3) To gain a detailed understanding of select human body systems.
4) To view plant anatomical structures and features showing plant division characteristics.
5) To gain understanding of ecological relationships.

Hardware Requirements: Students need a reliable computer and dependable internet connection to successfully complete an online course. Make sure you run a “System Check” before you login to MSCC Online. Also make sure you have a “back up plan” in case you have technical issues during exam days. Here are the recommended general System Requirements for MSCC Online:

1. An internet connection—56k modem, cable or DSL
2. A web browser
Software Requirements: Much online information for this course is in Microsoft Word and PowerPoint, so it is best if you have both of these types of software. If you do not, you should be able to view the information by downloading the free “Viewers” for each from http://www.mscc.edu/itts/links.aspx. The viewers don’t allow a user all of the features of the full software packages, but an individual can still obtain the content. Links to several Adobe software products are also on the same web page.

Assessment and Grading:

Testing Procedures: There will be 4 regular lecture exams and a comprehensive final exam (given during Motlow’s Final Exam Period). Each exam will consist of primarily multiple-choice questions and will be timed. Students will be allowed a scheduled window of time during which to take each exam. Each exam must be completed before the time the exam closes, so DO NOT wait until the last minute to take an exam. Allow time to complete the exam before the deadline. You could have technical issues (due to weather, etc.), sickness, or any number of other problems. After an exam is over and graded, you will have the opportunity to review the exam several days afterwards.

Labs will be completed through McGraw Hill’s LearnSmart Lab website and students will receive grades for completion of labs. Generally, one lab will be required per week. One final score for the labs will be averaged and entered into the Gradebook in D2L.

Below are the lecture exam dates:

Module 1—Chapters 23-27 (Plants)
   Lecture Exam 1—dates for exam
Module 2—Chapters 28-29, 31-32 (Animal Evolution, Animal, Human Anatomy and Physiology)
   Lecture Exam 2—dates for exam
Module 3—Chapters 33, 35, 37, 38 (Animal, Human Anatomy and Physiology)
   Lecture Exam 3—dates for exam
Module 4—Chapters 39-42 (Human, Animal Systems, and development)
   Lecture Exam 4—dates for exam
Module 5—Chapters 44-47 (Populations, Community Structure, Ecology)
   Lecture Exam 5—dates for exam
Comprehensive Final Exam
   Lecture Cumulative—dates for exam.

Missed Exams: Failure to take an exam within the designated time period will result in a grade of zero for that exam. A student should not assume that he/she will be allowed to make up a
missed exam! There are certain situations (examples---physician-documented illness or hospitalization, documented death of immediate family member) in which a student may be allowed to make up an exam, and generally only one exam can be made up per semester. The instructor MUST be notified within 48 hours of the ending time and date of the exam by phone, voice mail, or email as to the circumstances surrounding the missed exam. The instructor will decide when/if a make-up exam is allowed.

**Grading Procedure:** The final course grade is determined as follows:
- Lecture Exam Average—65%
- Lab Exam Average—25%
- Comprehensive Final Exam—10%

**Grading Scale:**
- A = 90-100%
- B = 80-90%
- C = 70-80%
- D = 60-70%
- F = below 60%

*Please do not request or expect extra credit or grade curves. Concentrate all efforts on learning the assigned material.

**Assignments:**
This course is subdivided into units or “modules.” Each module includes several related chapters in the text. For each module, students should read each chapter thoroughly, sometimes several times, and complete end of chapter reviews. The laboratory portion of the course will involve use of LearnSmart virtual labs through McGraw Hill. Grades will be generated through completion of lab review questions provided in the activities. At the end of each module, students will take a lecture exam.

**Class Participation:**
Active participation in the class is expected of all students. Students are expected to regularly login to the course (several times a week), check and respond to email, and read and reply to discussion postings. In addition, students should utilize the lab software and supplemental practice activities as often as possible. Course activity will be monitored.

**Course Ground Rules**

**Academic Misconduct:** It is expected that all work you complete for this course is your own. Plagiarism, cheating, and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly through participation or assistance, are immediately responsible to the instructor of the class. The instructor has the authority to assign a zero for the examination or to assign an “F” for the course.
Guidelines for Communication

Email: Motlow online courses (MSCC Online or Desire2Learn or D2L) use an internal email that is separate from the regular Motlow email. An individual can only email to and from D2L when in D2L. PLEASE USE THE INTERNAL COURSE EMAIL (D2L EMAIL) WHEN POSSIBLE FOR THIS COURSE. Doing so helps keep online student emails separate from regular emails. However, students should check both email accounts regularly! During the Monday-Friday workweek, I will generally respond to an email within 48 hours. If emailed on a weekend, I will respond by Monday at noon. If I know I will be out of town and unable to respond for some reason, I will let the class know.

When using Email:
- Always include a subject line.
- Remember, without facial expressions some comments may be taken the wrong way.
- Please be considerate of the feelings of others, and be careful in wording your emails.
- Use standard fonts.
- Do not send extremely large attachments without prior permission.
- Use standard formatting unless necessary to complete an assignment or special communication.
- Respect the privacy of other class members.

Discussion Posts: Students are encouraged to engage in course communication through use of the D2L Discussion Board. All students should post an “Introduction” during the first week of class in which they tell about themselves.

When using Discussion:
- Review the discussion threads thoroughly before entering the discussion.
- Try to maintain threads by using the “Reply” button rather than starting a new topic.
- Do not make insulting or inflammatory statements to other members of the discussion group.
- Be respectful of the ideas of others.
- Be patient and read the comments of other group members thoroughly before responding.
- Be positive and constructive in group discussions
- Respond in a thoughtful and timely manner.

Library
The Clayton-Glass Library at Motlow College’s Moore County campus is available to all students enrolled at the college. In addition, students may use libraries at Smyrna, Fayetteville, and McMinnville locations. Links to library materials, e.g., electronic journals, databases, interlibrary loans, digital reserves, dictionaries, encyclopedias, maps, and library support services, are available at http://www.mscc.edu/library/index.aspx.
**Students with Disabilities**

If you have a documented disability, you can arrange for accommodations by contacting the Office of Disability Services at 931-393-1765 or by email at shood@mscc.edu. Students needing academic accommodations are required to register with Disability Services and provide required disability-related documentation. Although you may request an accommodation at any time, it is recommended you do so at the beginning of the semester. The Office of Disability Services (Crouch 1042) is strongly committed to the needs of student with disabilities.

**Disability Services/Accommodations:**

Motlow College is committed to meeting the needs of qualified students with disabilities by providing equal access to educational opportunities, programs, and activities in the most integrated setting appropriate. This commitment is consistent with the College's obligations under Section 504 of the Rehabilitation Act of 1973 and the American with Disabilities Act of 1990 (ADA). Together, these laws prohibit discrimination against qualified persons with disabilities. To this end, the Director of Disability Services for Motlow College coordinates services and serves as an advocate and liaison for students with disabilities attending Motlow College. Contact the Director of Disability Services here: http://www.mscc.edu/disability/index.aspx.

Students with disabilities who would need assistance in an emergency evacuation should self-disclose that need to the instructor no later than the second day of class or second group meeting.

**Technical Support/Assistance**

This is not a “how to” technology course. The instructor cannot assist you with technical or computer problems. In addition, it is the student’s responsibility to update software, hardware, etc. in order to succeed in an online course. For D2L problems, email D2LHelp@mscc.edu. For general technical problems not involving D2L, email helpdesk@mscc.edu. You may also call the Technical Help Desk at 1-800-654-4877 (ext. 1510), 931-393-1510, or visit the website at http://www.mscc.edu/itts/support.aspx.

Using D2L:

For help with D2L including how to submit materials to a Dropbox, see this page: http://www.mscc.edu/techtube.aspx

**Academic Misconduct Policy:**

Plagiarism, cheating, and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly, through participation or assistance, are immediately responsible to the instructor of the class. Based on their professional judgment, instructors have the authority to impose the following academic sanctions: (a) require the student to repeat the assignment for full or partial credit; (b) assign a zero, an F, or
any other grade appropriate for the assignment or examination; (c) assign an F for the course. In addition, disciplinary sanctions may be imposed through the regular institutional procedures. For more information, see MSCC Policy 3:02:00:03.

**Confidentiality of Student Records:**

The education records of current and former students at Motlow State Community College are maintained as confidential records pursuant to The Family Educational Rights and Privacy Act (FERPA) of 1974 as amended. For further information, see MSCC Policy No. 3:02:03:00.

**Student Success:**

**Tutoring:**

MSCC Instructors can guide students to specific resources regarding Tutoring in their discipline. In particular, students may find help with Math and Essay Writing via each campus’ Learning Support labs. Students should contact the labs on their campus to schedule appointments for help. For additional help, see the Student Success page: [http://www.msc.edu/student_success/index.aspx](http://www.msc.edu/student_success/index.aspx)

**Academic Advisement:**

MSCC Instructors can guide students to specific resources regarding Advisement. For additional help, see the Academic Advisement page: [http://www.msc.edu/advisement/index.aspx](http://www.msc.edu/advisement/index.aspx)

**Course Outline/Syllabus Changes**

The instructor reserves the right to make changes as necessary to this syllabus. If changes are required during the term, the instructor will immediately notify students of such changes by email and/or discussion board.