



## Walters State Community College Course Syllabus

### Course Information

**Course Number and Name:** BIOL 1120 General Biology II

**Section ID:** 80730.202380

**Semester and Year:** Fall 2023

**Credit Hours:** 3

**Start Date:** August 21, 2023

**End Date:** December 08, 2023

**Course Format:** CON - Conventional Methodology

**Catalog Course Description:** This course is a study of the diversity of life illustrating the principles and unifying concepts of biology. The topics studied include the common themes in living systems (e.g., morphology), evolution, phylogeny, domains and kingdoms, the major plant and animal groups, comparative organ systems and structures in humans and animals, the interrelationships of plants and animals within various ecological habitats and the impact of natural phenomena on the various biomes. This course is intended for science majors. Pre/Co-requisite: BIOL 1121 **S**

**General Education Course Designation:** General Education Course

**Meeting Details:** MW; 11:10AM - 12:35PM; NSCI 204

**Course Drop Deadline:** October 27, 2023

### Instructor Information

**Name:** Dr. Kelly Moore-Roberts

**Role:** Associate Professor of Biology

**Office Location:** NSCI 114b

**Office Hours:** see eLearn for office hours

**Office Phone:** 423-585-6932

**Email:** kelly.moore@ws.edu

**Supervisor Name:** Dr. Matthew Smith

**Supervisor Phone:** 423-585-6865

### Required Textbook(s) and Materials

**Biology 2e****ISBN:** 9781947172517**Authors:** Mary Ann Clark, Jung Choi, Matthew Douglas**Publication Date:** 2018-04-01**Edition:** 2**Additional Information**

Students can use free electronic access or purchase a hard copy at

[www.openstax.org/details/biology](http://www.openstax.org/details/biology)

## Student Learning Outcomes/Objectives

- Discuss the Darwinian Theory of Evolution based on the principle of Natural Selection and determine that evolution is the “core theme” of Biodiversity.
- Explore and compare the form and function of bacteria, protists and fungi.
- Demonstrate a thorough understanding of plant and animal diversity.
- Identify the basic functions of living organisms, including a comprehensive understanding of organismal systems.
- Understand ecological interactions between organisms and the environment, as well as energy flow, material cycling and the impact of climate on terrestrial and aquatic biomes.
- Course Content:

Topics	Chapter Number
I. Introduction/Evolution	
The Study of Life	1
Evolution and the Origin of Species	18
<i>*The Evolution of Populations</i>	19
<i>*Phylogenies &amp; the History of Life</i>	20
Prokaryotes	22
Protists	23
Fungi	24
II. Plant and Animal Diversity	
Seedless Plants	25
Seed Plants	26

Topics	Chapter Number
Introduction to Animal Diversity	27
Invertebrates	28
Vertebrates	29
III. Plant Form and Function	
<i>*Plant Form and Function</i>	30
<i>*Plant Reproduction</i>	32
IV. Animal Form and Function Part I	
The Animal Body- Basic Form and Function	33
Animal Nutrition & the Digestive System	34
The Respiratory System	39
The Circulatory System	40
<i>*The Immune System</i>	42
Osmoregulation & Excretion	41
The Endocrine System	37
V. Animal Form and Function Part II	
Animal Reproduction & Development	43
The Nervous System	35
Sensory Systems	36
VI. Ecology	
Ecology & the Biosphere	44
Population & Community Ecology	45
<i>*Population &amp; Community Ecology</i>	45 (45.7)
<i>*Ecosystems</i>	46

*\* Topics addressed through self-study on eLearn*

## Instructional Approach and Methods

Lectures and discussion: You are expected to attend class, pay attention, and participate actively in discussions by answering questions, asking questions, and making comments. Outlines and PowerPoint presentations used in lecture are available for your review on the Walters State eLearn page of this course.

Students will be required to complete homework and end-of-unit self-assessments (Quizzes) for all content covered in this course. Homework assignments in are designed to introduce you to content

before coming to class. Quizzes are designed to reinforce material learned in class discussions for mastery before a major unit exam. These assignments will include activities and inquiries that encourage practical application of course content.

### **Expectations:**

Satisfactory performance in college courses generally asks for two hours of study outside of class for each hour in class. This estimate applies to an “average” student expecting an “adequate” (=C) grade. Students aiming higher or those with academic problems should expect to spend more effort than the minimum. Should you procrastinate, not read ahead of time, or expect to cram everything on last days before exams, this course may not be for you.

### **The student can expect from the teacher:**

1. Email response within 24 hours during the normal workweek. Holidays and vacations excluded.
2. Email during the weekend will be answered on Monday.
3. Exams to be graded and returned in a timely manner.
4. Enthusiasm for the subject and encouragement to help you when you need it.
5. A fair grading system, with feedback.
6. Learning that ties concepts into the real world around us.
7. Respect for you as a learner.

## Assessment, Evaluation and Testing Procedures

Assignments and exams may be given in class or online via d2L/eLearn. For those administered online through d2L/eLearn, students may be required to use a virtual proctoring program like Respondus Lockdown Browser with Monitor. Virtual proctoring programs will require a compatible device, microphone, and webcam. In the event that the student does not use the specified requirements or the entire assignment or exam is not completely proctored, this could result in a grade of zero “0” for the assignment or exam. Students will be provided specific testing procedure and assignment completion information directly from the instructor.

## Grading Scale

A	90-100%
B	80-89%

C	70-79%
D	60-69%
F	Below 60%

Assessment	% of Final Grade	Deadline
eLearn Homework/Quizzes	20	Prior to scheduled lecture
Unit I Exam	12	Scheduled by Instructor
Unit II Exam	12	Scheduled by Instructor
Unit III Exam	12	Scheduled by Instructor
Unit IV Exam	12	Scheduled by Instructor
Unit V Exam	12	Scheduled by Instructor
Comprehensive Exam	20	Final Exam Week Schedule

## Assignments

### Exams and Grading:

Lecture exams are focused on the student's ability to understand the Learning Outcomes as demonstrated by performance on course examinations. Multiple choice, short answer, matching, and essay questions may be used. Proficiency in the biology classroom is achieved through comprehension of the lectures and discussions

## Class Participation

Class participation is required and attendance is recorded.

## Course and Class Policies/Procedures

### Grading Policy:

1. **ALL** exams are to be taken at times scheduled by the instructor.
2. **ALL** exams scheduled in the course by the instructor must be taken in order for the student to receive a passing grade. Any exceptions must be approved by the Academic Dean and the Vice President of Academic Affairs.
3. Make-up exams will be given at the discretion of the instructor for excused absences only (excused absences include illness, death in family, and military or jury duty). Make-up Exams may be a different type of exam (discussion tests are possible).

4. Make-up exams will be taken before the next scheduled exam or a grade of zero will be recorded.
5. Exams may be given in class or on eLearn at the discretion of the instructor.
6. Each professor has the option to offer the opportunity to earn up to **25** additional points through the semester. Examples include, but not limited to, bonus questions on exams, in class quizzes, attending a scientific event, etc. The instructor's policy will be explained in detail on the first day of class. In no instance will credit be provided for any activity not related to the scope of the course. The aim of the class is to get a solid understanding of biology so that grades reflect our abilities to communicate the material and not a supplementary assignment or task. All students, especially those that feel they are struggling with the material, are strongly encouraged to use office hours, send emails, make appointments for extra help, etc. throughout the semester.
7. Instructor may offer opportunities to earn points towards tests through Challenge- Based Learning.
8. Plagiarism, cheating and other forms of academic dishonesty are prohibited and may result in a grade of zero on associated assessments and potentially academic dismissal.

## Additional Course Requirements/Details/Information

All Division of Natural Science courses prohibit academic dishonesty including, but not limited to, plagiarism and cheating. The minimum penalty is a grade of "0" (zero) on the examination or assignment. Academic dishonesty may also result in a grade of "F" for the course.

## Academic Honesty

Faculty expect all students to refrain from acts of academic misconduct including but not limited to:

1. Plagiarism - refers to using another person's ideas or writing without giving proper credit to the original source. Indulging in this type of conduct will subject the student to disciplinary sanctions, which may be imposed through the regular institutional procedures of Walters State Community College as outlined in the Student Handbook. Plagiarism will result in a grade of "0" for the paper/exam/presentation. Student Conduct and Disciplinary Sanctions contained in the college Catalog/Student Handbook apply (see policy 04:18:02 Disciplinary Sanctions).

Plagiarism includes, but is not limited to the following:

- a. Using cut/paste tool from original document with no references given.
- b. Copying another student's work and submitting it as one's own.
- c. Forging or otherwise altering signatures.
- d. Giving or falsifying academic documents or materials.

2. Cheating - construed as attempting to deceive or mislead which includes, but is not limited to the following:
- a. Utilizing old tests, projects, notes or written papers.
  - b. Providing unauthorized information to a fellow student about exam content.
  - c. Receiving unauthorized aid from any source with quizzes, examinations, or other assignments.
  - d. Seeking information in an unacceptable manner during/preceding an exam or other assigned work (cheat sheet, verbal exchange, looking at another person's paper or electronic device, utilizing headphones, using textbook when the test/quiz is not an open book test/quiz, using textbook test bank etc.).
  - e. Consulting with a classmate or others when taking a computerized test.
  - f. Disregarding other specific policies and procedures outlined for a particular class.
  - g. Utilizing unapproved technology/electronic equipment during testing (i.e.: mobile devices such as cell phones, smart devices, or tablets, etc.).
  - h. Using the same Internet Protocol network address (IP address) as another student for testing without approval from the course faculty.
3. The use of any generative artificial intelligence (AI) tool, such as OpenAI's ChatGPT, Google's Bard, or any other pre-trained language model (commonly referred to as "chatbot"), must be cited for any assignment where it has been used and may not be used unless specifically allowed by your instructor. Please see your instructor or the course policies within the syllabus if you have questions.

## Student Resources

### TUTORING SERVICES

Students in need of tutoring assistance are encouraged to contact the Office of Student Tutoring located as follows:

- Morristown Campus - Student Services Building Room L107 - (423) 585-6920
- Niswonger Campus - GRNV 226 - (423) 798-7982
- Sevierville Campus - MMH Room 210 - (865) 286-2787
- Claiborne Campus - Room 123A - (423) 851-4761

Specific tutoring assistance in mathematics and writing is available in-person and online as follows:

- Morristown Campus - English Learning Lab - HUM 120 - (423) 585-6970

[Walters State English Learning Lab \(opens in new window\)](#)  
[ws.edu/academics/humanities/writing-lab](http://ws.edu/academics/humanities/writing-lab)

- Morristown Campus - Mathematics Lab - MBSS 222 - (423) 585-6872

[Walters State Mathematics Learning Lab \(opens in new window\)](#)  
[ws.edu/academics/mathematics/learning-lab](http://ws.edu/academics/mathematics/learning-lab)

## **TECHNOLOGY SUPPORT**

Students who need assistance with computing and technology issues should contact the IET Helpdesk by phone at Morristown: (423) 318-2742; Niswonger: (423) 798-8186; or Sevierville: (865) 286-2789 or on-line access.

[Walters State Helpdesk \(opens in new window\)](#)  
[helpdesk.ws.edu](http://helpdesk.ws.edu)

## **STUDENTS WITH DISABILITIES SUPPORT SERVICES**

Students with disabilities must register with Student Support Services each semester in the Student Services Building, Room U134 (phone (423) 585-6892) if they need any special facilities, services, or consideration.

[Walters State Student Support Services \(opens in new window\)](#)  
[ws.edu/student-services/disability/](http://ws.edu/student-services/disability/)

## **SUICIDE PREVENTION STATEMENT**

Walters State is committed to and cares about all students. Support services are available for any person at Walters State who is experiencing feelings of being overwhelmed, hopelessness, depression, thinking about dying by suicide, or is otherwise in need of assistance. For immediate help, contact the National Suicide Prevention Lifeline by calling or texting 9-8-8 or the Trevor Lifeline at 1-866-488-7386. Veterans may also contact the Veterans Crisis Line at 1-800-273-8255 (press 1) or Text 838255.

Walters State has a relationship in place with the following community agencies to provide services (may include crisis referral services, prevention screenings, etc.):

- Cherokee Health Systems 423-586-5032
- Frontier Health 423-467-3600

## **Instructor Specific Information**



This class will include both homework and exams. Homework may include in class activities (manipulatives, models, drawings, etc.), guided lecture notes, and/or eLearn quizzes. Exams may include multiple choice questions, essay, short-answer, matching, ordering, problems, and/or project based activities. Exams will be taken using lockdown browser w/monitor, be timed, have question pools and question shuffling, taken in class, and/or taken via appointment with me. Any project based exams will include typed instructions and a rubric explaining the grading process. Please contact me with any questions or concerns.

## College Policies

### **STUDENTS HANDBOOK AS OFFICIAL GOVERNING DOCUMENT**

This class is governed by the policies and procedures stated in the current Walters State Community College Student Handbook. All students attending Walters State Community College, regardless of the time, location, or format of the class, must abide by the rules and regulations outlined in the current Walters State Catalog/Student Handbook and the current Walters State Timetable of Classes.

[Walters State Catalog \(opens in new window\)](https://catalog.ws.edu/)  
[catalog.ws.edu/](https://catalog.ws.edu/)

[Walters State Timetable of Classes \(opens in new window\)](https://ws.edu/admissions/registration/)  
[ws.edu/admissions/registration/](https://ws.edu/admissions/registration/)

### **PURPOSE, LIMITATIONS AND MODIFICATION OF SYLLABUS**

This syllabus sets forth the expectations for the course content, work, and grading as well as expectations for student performance and conduct. The syllabus does not constitute a contract between the student and the instructor or the College. The information contained here is subject to change at any time. The instructor reserves the right to modify this syllabus at any time with written notification to the students. Though changes are possible, it is expected that the course will be conducted as described in this syllabus for the semester/year specified in the Course Information section of the syllabus. This syllabus is only valid for the semester/year specified and course requirements are not guaranteed for future semesters.

### **COURSE GROUND RULES**

- Students must attend the first day of on-ground class or contact the instructor prior to the first class. Failure to do this may result in being dropped from the class. Excessive absences may substantially lower the course grade.
- Regular class attendance is a student's obligation for any course regardless of format. (See the Walters State Catalog/Student Handbook). If a student misses class, it is his or her

responsibility to contact the instructor regarding missed assignments and/or activities and to be prepared for the next class assignment.

- Students enrolled in web courses must follow the course attendance policy defined for online attendance during the first week of class and throughout the term. Failure to do this may result in being dropped from the class during week one OR may result in the accrual of absences which may negatively impact the student's grade in the course.
- Students who have not paid fees on time and/or are not correctly registered for this class and whose names do not appear on official class rolls generated by the Walters State student information system (MyWS) will not be allowed to remain in class or receive credit for this course.
- Electronic devices must not disrupt the instructional process or college-sponsored academic activity. Use of electronic devices is prohibited unless use of the device is relevant to the activity and use is sanctioned by the faculty member in charge. Electronic devices that are not relevant to the activity or sanctioned by the faculty member in charge should be set so that they will not produce an audible sound during classroom instruction or other college-sponsored academic activity.

## **FINANCIAL AID**

Students receiving any type of financial aid or scholarship should contact the Financial Aid Office before making any changes to their schedule. Schedule changes without prior approval may result in loss of award for the current term and future terms.

All forms of student Financial Aid may be jeopardized or lost due to the lack of Satisfactory Academic Progress in one or multiple courses. Lack of Satisfactory Academic Progress may negatively impact a student's degree/certificate completion pace and further jeopardize Financial Aid eligibility.

## **CANCELLATION OF CLASSES AND ACADEMIC CONTINUITY**

For information related to the cancellation of classes due to inclement weather or other events, please check the Senators Emergency Text system or the college's Web site at:

[Walters State Homepage \(opens in new window\)](http://www.waltersstate.edu/home/)  
[ws.edu/home/](http://www.waltersstate.edu/home/)

[Walters State Facebook page \(opens in new window\)](https://www.facebook.com/WaltersState/)  
<https://www.facebook.com/WaltersState/>

[Walters State Twitter page \(opens in new window\)](https://twitter.com/waltersstate)  
<https://twitter.com/waltersstate>

or call the college's student information line, 1-800-225-4770, option 1; the Sevier County Campus, (865) 774-5800, option 7; the Niswonger Campus (423) 798-7940, option 7; or the Claiborne County Campus, 423-636-6200, option 7. Also, please monitor local TV and radio stations for further announcements.

When an event or disaster interrupts the scheduled operations of the college and the ability to proceed with the academic course activities as planned, the college and your instructor may alter the course plan outlined in the syllabus. Should an event occur, students should refer to their course e-Learn pages and/or class materials previously delivered to receive guidance from their instructor. Students should continue to monitor the official college channels of communication listed in the above paragraph. If you would like to sign up for the Senators Emergency Text system, please go to the following Web site:

[Senator Emergency Text System \(opens in new window\).](https://ws.edu/set/)  
[ws.edu/set/](https://ws.edu/set/)

Dual Enrollment students attending on a high school campus should refer to the high school inclement weather cancellations.

## **LEARNING MANAGEMENT SYSTEM**

Brightspace (commonly known as eLearn or D2L) is the college's Learning Management System (LMS).

Brightspace is committed to accessibility by "deliver[ing] a learning experience that meets the needs of all people, regardless of age or ability." [Brightspace Accessibility Standard \(opens in new window\)](#).

Brightspace is also committed to guarding student data and privacy. [Brightspace Privacy Policy \(opens in new window\)](#).