UNIVERSITY OF SOUTH CAROLINA
BIOLOGY 102-005 COURSE SYLLABUS
Fall 2025 (August 19-December 15, 2025)
011 Calcott Social Science Center (Tues/Thur 6:00-7:15 PM ET)

Instructor: Dr. Tom Reeves
Preferred method of communication by email at reevest@mailbox.sc.edu .
Every attempt will be made to respond to emails within 24 hours.

Biology 102 lab concerns: Dr. Eilea Knotts
Sumwalt 325
Email: eknotts@email.sc.edu

TEXT: Campbell Biology, 11th Edition, author Reece et al; Publisher Pearson; ISBN #: 10: 0-134-09341-0. The Campbell Biology 10th edition, author Reece et al will also be fine and is available online for as little as $20. Amazon will also ship within two days. Any format of the text will work (new, used, hardback, softcover, virtual, rental). The rental versions and the virtual ebook versions of the text are the least expensive. **The text is not required but strongly recommended to use as a reference in the course. Again, the use copies are much less expensive and will work great.**

Lecture Outlines, Powerpoint Slides, Activity Guides: See the Biology 102 Blackboard Home Page. Posted in four Course Modules.
Note: The lecture outlines are just that, an outline and general guide to the material presented in lecture. You are expected to and will need to attend all lectures to have an accurate set of notes with which to prepare for the quizzes and Module Exams.

Course Overview: Biology 102 is a 3 credit hour introductory biology course that covers the origins of life, biodiversity, the biology of plants and animals, and the evolution and ecology of life on Earth. Biology 102 is organized around four major units organized in four Modules posted on the Blackboard Home Page:

Module (Unit) 1: Taxonomy, Natural Selection, Lower organisms: Bacteria, Viruses, Prions, Protista, Fungi

Module (Unit) 2: Plant and Animal Kingdoms

Module (Unit) 3: Human Anatomy and Physiology Part 1: Tissues, Digestive, Circulatory, Respiratory, and Immune Systems

Module (Unit) 4: Human Anatomy and Physiology Part 2: Endocrine, Nervous, Reproductive Systems and Human Development

Most students who take this course are majoring in biology or another science, exercise science, pharmacy or some related major that require a science concentration. Biology 101 and 102 are designed to provide a strong foundation of biological principles so that students can succeed in upper-level biology courses.

Carolina Core learning Outcomes

1. Demonstrate an understanding of scientific inquiry from other legitimate methods of inquiry and to recognize the difference between scientifically legitimate inquiry and claims without a sound scientific basis.

2. Identify and describe the constraints of transport processes that govern physiological rates.

3. Differentiate among scientific hypotheses for the origin of life on Earth.

4. Describe the characteristics of the domains and kingdoms of life.

5. Describe the characteristics and evolutionary relationships of the major phyla of life.

6. Describe the interaction of morphological and biochemical properties of terrestrial plants that regulate physiological processes.

7. Demonstrate an understanding of mechanisms of growth and development in plants and animals and discuss how those processes are controlled.

8. Differentiate the structure and function of different organ systems and their components including digestive, circulatory, respiratory, endocrine, immune, nervous, and reproductive systems.

9. Evaluate the role of genetic variation in contributing to human health welfare.

10. Understand the phenotypic composition and genetic variation within populations.

11. Assess the role of opposing evolutionary forces in causing or limiting genetic differentiation among populations.

12. Evaluate the evidence of evolution by common descent by interpreting patterns of biogeographic, genetic, morphological, and biochemical relationships among organisms.

13. Demonstrate how processes that control genetic divergence among populations culminate in the formation of “higher” taxonomic groups and assess how an evolutionary perspective assists in interpreting biological diversity.

14. Distinguish the processes that control the assembly of species into communities.

15. Analyze the consequences of human and societal activities on the composition and diversity of biological communities and ecosystems.

16. Describe the roles of energy conversion and nutrient recycling in determining the composition, diversity, and distribution of ecological systems and how human activities alter the provisions of services to human societies.
17. Demonstrate recognition of the role of sound scientific information in informing policy and management issues.

Testing and Grading

Testing: There will be four Module (Unit) Exams that will consist of 75 objective (generally multiple choice) questions for a total of 300 points, eight online quizzes worth 10 point each for a total of 80 points, and a Syllabus Quiz worth 10 points, for a maximum point total of 390 points. Attendance will be taken each day with either roll or by an Attendance Quiz. Each Attendance Quiz will count 0.5 points and a total of 5 Attendance Quiz points will count toward the final grade. You must be present in class to take the Attendance Quizzes. **Attendance quizzes cannot be made up.**

The Module Exams, online quizzes, and syllabus quiz will be found in the Quizzes and Module Exams file on the Biology 102 Blackboard Home Page. The quizzes will be taken independently online, the module exams will be taken online but in class. **You will need to bring your laptop to class with the Respondus Lockdown Browser app loaded. Quizzes can be taken three times, Module Exams and Attendance Quizzes only once.**

Make up Exam Policy: There will be **no makeup module exams given**. You must complete the Module exam at the scheduled time and day. All dates and times will be referenced to Eastern Standard Time. All dates and times are posted in the course syllabus. **For medical or military emergencies, you will need to provide documentation of the situation prior to the exam**.

Attendance: Students are expected to attend all lectures. Serious medical conditions and military service must be documented ahead of the test. You will do poorly in the course if you do not attend lecture. **Students are also expected to stay in lecture the entire time. Leaving lecture before the end of class is both rude, distracting, and inconsistent with professional student conduct**. On the days that the four Module Exams are given in class, you will need to sign in and sign out on roll or your grade will not count and you will receive a zero on the exam. Absences in excess of 4 missed classes may result in your final grade being reduced by one letter grade.

Format for Exams: The exams will consist of objective questions, primarily multiple choice. For the eight online quizzes, the material that is covered is outlined in the corresponding **Activity Guide** that is presented in each course module. For the four Module Exams, **test questions will be taken from material presented in lecture, the lecture outlines, and the PowerPoint slides**. The activity guide material will only be included on the Module Exam if that material has also been covered in lecture or the lecture outline and Powerpoint slides. The text will be a very useful reference for material that has been covered but you are still uncertain about or wish more information. **Any information presented in the lecture outlines and on the Powerpoint slides including illustrations and pictures can and will appear on the unit exams. If you consistently attend lecture, you will be certain of what material you need to cover and learn.**

Rules for Taking the Online Quizzes and Module Exams: All quizzes and module exams will be taken using the **Respondus Lockdown Browser**. You will need to download the Respondus app that is included on the Biology 102 Home Page. Before taking the online module exams you should close all other files on your computer. Do not have any other site or file open on your computer as you take the module exams. Do not answer or send emails, listen to music, talk or sing, or attempt to do a web search or any other activity while you are taking the quizzes and exams. Do not attempt to take a screen shot, backtrack questions, or the system will lock you out and you will not be allowed to complete the test. Follow all instructions and the module exam program will work flawlessly.

You may not use notes or look up answers using a smart phone or additional laptop while taking quizzes or exams. That will be considered cheating and subject to academic disciplinary action set forth in this syllabus. **You may not use any notes or other material when taking the Module Exams. It is expected that you have learned the material prior to taking the online module exams**. You will have three attempts at each Quiz, but only one attempt at each Module Exam that will be given in class. You must sign in and sign out in class to take the exams. If you do not, your grade will not be counted and a grade of 0 recorded.

Completing each **Activity Guide** and learning the material will prepare you for each quiz. The Module Exams will cover the material presented in **lecture, the module outlines, and the Powerpoint slides.**

GRADES: Your final course grade will be based on the **total points earned in the course**, not percentages. Points will be awarded as follows:

Syllabus Quiz	10 points
Attendance Quizzes	5 points
Module Exam 1 (Unit I)	75 points
Module Exam 2 (Unit 2)	75 points
Module Exam 3 (Unit 3)	75 points

Module Exam 4 (Unit 4)	75 points
Unit Online Quizzes	80 points (10 points each X 8)
Total	395 points

Additional Points: There will be no extra credit activities. **Final grades are not rounded or curved. The final course grade is based on the total number of points earned. There is no extra credit available in the course.**

This is the grading scale that will be used in Biology 102:

Grading Scale	**Total Points Earned**
A 90-100%	(355-395 points)
B+ 88-89.9%	(343-354 points)
B 80-87.9%	(316-342 points)
C+ 78-79.9%	(304-315 points)
C 70-77.9 %	(276-303 points)
D+ 68-69.9%	(264-275 points)
D 60-67.9%	(237-263 points)
F <60%	(< 237 points)

These are the final grade ranges. The final grades are not rounded or curved. There is no extra credit available in the course.

Final Grade: The final course grade for Biology 102 will be determined based on the **total points earned** on the four Module Exams. The exact number of points needed for each letter grade are listed in the grade scale table in your syllabus.

Grades will not be "curved" or rounded up. Your final grade must fall within the point ranges given above to receive a particular letter grade. **There is no extra credit given for the lecture portion of the course beyond the bonus points included on each unit exam.** At the beginning of the course you need to determine what grade you are pursuing and then exert the necessary time and effort to achieve that grade.

Resources for Biology 102: The following resources are posted in Modules on the Biology 102 Blackboard Home Page:

1. **Biology 102 Course Syllabus** – Lecture topics, quiz and exam due dates.

2. **Module (Unit) Lecture Outlines and Lectures** – Outlines for each lecture within the unit. You are expected to take notes in lecture using the outlines, and then use your text and Power Point slides to complete the outlines so that you have a complete set of notes to use as you prepare for each Module Exam.

3. **Module PowerPoint Presentations** – PowerPoints are presented for each lecture within the unit. The PowerPoint slides are primarily illustrations. Most do have narrations. However,to understand what is being presented you must attend lecture and take notes.

4. **Text, Activity Guides, Study Guides –** The text is strongly recommended as a resource for the course. Activity Guides are provided to prepare for each quiz, and the Modules Study Guide, Lecture notes, and Powerpoint slides will prepare you for each Exam.

Cell phones and Electronic Devices: Do not use cell phones or other electronic devices during class (other than your laptop). This is distracting and interferes with your ability to pay attention, take notes, and understand the material.

Academic Integrity: Students are expected to follow the University of South Carolina honor code and should expect that every instance of a suspected violation will be reported. Students found responsible for violations of the Code will be subject to academic penalties under the Code in addition to whatever disciplinary sanctions are applied. Cheating on a test or copying or using someone else's work will result in a 0 for the work, possibly an F in the course, and, in accordance with University policy, be referred to the University Committee for Academic Responsibility and may result in expulsion from the University**. You are expected to follow all instructions for taking the online quizzes and Module Exams. Cheating in any form, whether giving or receiving information will not be tolerated and if this takes place a grade of F will be assigned for the course.**

Minimum Technical Skills Required:
Minimal technical skills are needed in this online course. All work in this course must be completed and submitted online. Therefore, students MUST have consistent and reliable access to a computer and the Internet. Before starting this course, students must feel comfortable doing the following. The minimal technical skills students should include the ability to:

- organize and save electronic files,
- use email and attached files,
- check email and Blackboard daily,
- download and upload documents,
- print various course documents, and
- take online quizzes and exams.
- Download and use Respondus Lockdown Browser
- Have and be able to use Power Point software on your laptop

Support for Blackboard and Technology: As a student in this course, you have access to support from Division of Information Technology (DoIT) for Blackboard and

computer issues (contact information below). If you are not in Columbia, most public libraries have computers that you may use if you find yourself facing computer problems. Refer to the DoIT Information for Students to learn more about technology and available support.

- Blackboard Support
- DoIT Technology Support Service Desk or call 803-777-1800
- Carolina Tech Zone

The Carolina Tech Zone
The Carolina Tech Zone, conveniently located near the Gamecock iHUB, provides in person technology support for all students. Our services include connecting to the network, installing software, diagnosing computer problems, removing viruses, providing mobile support and more.
Location:
First floor of the Byrnes building
901 Sumter Street, Suite 119
Hours:
9:30 a.m. to 4:30 p.m.

The following other academic support services and resources may help you be more successful in the course as well.
Library Services (http://www.sc.edu/study/libraries_and_collections)

Accessibility Resources:
The University of South Carolina provides high-quality services to students with disabilities, and we encourage you to take advantage of them. Every reasonable effort will be made to accommodate students with disabilities in this class and all course materials are available in alternative format upon request. Please note: requests for accommodations must have supporting documentation from the Student Disability Resource Center. All information will remain strictly confidential.
Students with disabilities needing academic accommodations should:

1. Register with and provide documentation to the **Student Disability Resource Center** in Close-Hipp, Suite 102
2. Please discuss with the instructor the type of academic or physical accommodations you need. Do this as soon as possible, preferably within the first week of class.

Academic Integrity:

University policy regarding academic responsibility (Student Affairs Policy STAF 6.25) states “It is the responsibility of every student at the University of South Carolina Columbia to adhere steadfastly to truthfulness and to avoid dishonesty, fraud, or deceit of any type in connection with any academic program. Any student who violates this rule or who knowingly assists another to violate this rule shall be subject to discipline.”

Students who commit an act of academic dishonesty may receive a failing grade on the assignment or in the course. More information regarding this policy can be found in the Carolina Community: USC Student Handbook and Policy Guide (http://www.sc.edu/policies/staf625.pdf)

Students are encouraged to read the Carolinian Creed (http://www.sa.sc.edu/creed/) Students are expected to follow the University of South Carolina honor code and should expect that every instance of a suspected violation will be reported. Students found responsible for violations of the Code will be subject to academic penalties under the Code in addition to whatever disciplinary sanctions are applied.
Cheating on a test or copying or using someone else's work, including lab quizzes and reports, will result in a 0 for the work, possibly an F in the course, and, in accordance with University policy, be referred to the University Committee for Academic Responsibility and may result in expulsion from the University.

Conduct:
Professionalism will be expected at all times, but most especially with your interactions online. Topics in the biological sciences, including those presented in Biology 102, are often controversial. Because the university classroom is a place designed for the free exchange of ideas, we must show respect for one another in all circumstances. We will show respect for one another by exhibiting patience and courtesy in our exchanges. Appropriate language and restraint from verbal attacks upon those whose perspectives differ from your own is a minimum requirement.

Tips for Being Successful in Biology 102: In order to succeed in Biology 102 you will need to attend lecture every time. It is estimated that if you wish to earn a grade of "A" or "B" in the course, you will need to study a minimum of 4-5 hours per week.

Successful online learners (and learners in general)
1. do not procrastinate;
2. are open to sharing professional experiences online;
3. enhance online discussions;
4. have good written communication skills;
5. use proactive communication;
6. are self-motivated and self-disciplined;
7. have a commitment to learning;
8. have critical thinking and decision-making skills;
9. believe quality learning can take place in an online environment; and
10. have good time management skills.

CHANGES: THE INSTRUCTOR RESERVES THE RIGHT TO MAKE CHANGES IN THE LECTURE SCHEDULE and POLICIES AS DEEMED NECESSARY.

Table 1
Lecture Schedule Biology 102, (August 19-December 15, 2025)

Lecture Date	Chapter (Text 11th ed)	Topic
	Module I	Introduction, Taxonomy, Origin of Life, Survey of Viruses, Prokaryota (Monera), Protista, Fungi
Lecture 1 August 19, 2025 Tuesday	Introduction Chapter 26	Course Overview Taxonomy
August 22, 2025 Friday	Syllabus Quiz Due	Before 11:59 PM Print and Use Syllabus During Quiz
Lecture 2 August 21, 2025 Thursday	Chapter 26 Chapter 25	Taxonomy History of Life on Earth Watch Video: Origins https://www.youtube.com/watch?v=N3rtYV3SE5w
Lecture 3 August 26, 2025 Tuesday	Chapter 26 Chapter 25	Origin of Life Geological Time Natural Selection -Darwin
Lecture 4 August 28, 2025 Thursday	Chapter 19	Viruses Prions
Lecture 5 September 2, 2025 Tuesday	Chapter 27	Monera (Prokaryota) Bacteria and Archaea
September 8, 2025 Monday	Online Quiz 1 Due Before 11:59 PM ET	Activity Guide 1 (See Module 1) (Intro, Origin of Life, Evolution, and Viruses)
Lecture 6 September 4, 2025 Thursday	Chapter 28	Protista
Lecture 7 September 9, 2025 Tuesday	Chapter 31	Fungi
Lecture 8 September 11, 2025 Thursday	Conclude and Review Module 1	Viruses, Prions, Bacteria, Protists, and Fungi Begin Module 2 Plant Kingdom
September 15, 2025 Monday	Online Quiz 2 Before 11:59 PM ET	Activity Guide 2 (See Module 1) (Bacteria, Protists, Fungi)
September 16, 2025 Tuesday	**Module Exam 1** **In Class**	Lower Kingdoms Chapters 19, 25, 26, 27, 28, 31

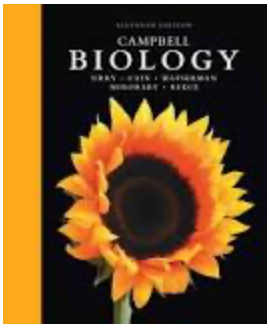
	Module 2	Plant and Animal Kingdoms
Lecture 10 September 18, 2025 Thursday	Chapter 29, 30	Plant Diversity
Lecture 11 September 23, 2025 Tuesday	Chapter 35	Plant Anatomy Video: *What Plants Talk About*: https://www.dailymotion.com/video/x1vz6pw
September 29, 2025 Monday	Online Quiz 3 Before 11:59 PM ET	Activity Guide 3 (Plant Kingdom) See Module 2
Lecture 12 September 25, 2025 Thursday	Chapter 32	Animal Evolution and Diversity Watch Sponge and Cnidaria videos in Activity Guide 4
Lecture 13 September 30, 2025 Tuesday	Chapter 33	Invertebrates Watch Platyhelminthes and Nematoda videos in Activity Guide 4
Lecture 14 October 7, 2025 Tuesday	Chapter 33	Invertebrates Watch Annelida video Activity Guide 4
October 9-12, 2025	Fall Break	
Lecture 15 October 14, 2025 Tuesday	Chapter 34	Invertebrates/Vertebrates Watch Echinoderm video Activity Guide 4
Lecture 16 October 16, 2025 Thursday	Chapters 33, 34	Vertebrates/Conclude Animal Kingdom Watch Chordate video Activity Guide 4
October 20, 2025 Monday	Online Quiz 4 Before 11:59 PM ET	Activity Guide 4 (Animal Kingdom) See Module 2
October 21, 2025 Tuesday	**Module Exam 2** **In Class**	Plant and Animal Kingdoms
	Module 3	Animal Tissues, Circulation, Respiration, Digestion, Nutrition
Lecture 18 October 23, 2025 Thursday	Chapter 40	Animal Tissues and Homeostasis
Lecture 19 March 28, 2025 Tuesday	Chapter 42	Circulation
Lecture 20 October 30, 2025 Thursday	Chapter 42	The blood Gas exchange
Lecture 21 November 4, 2025 Tuesday	Chapter 41	Digestion

November 7, 2025 Friday	Online Quiz 5 Before 11:59 PM ET	Activity Guide 5 (Tissues, Circulatory, Respiratory Systems) See Module 3
Lecture 22 November 6, 2025 Thursday	Chapter 43	Immune System
Lecture 23 November 11, 2025 Tuesday	Conclude and Review Module 3	Begin Endocrine System This will be included on the Module 4 Exam.
November 12, 2025 Wednesday	Online Quiz 6 Before 11:59 PM ET	Activity Guide 6 (Digestive and Immune Systems) See Module 3
November 13, 2025 Thursday	**Module Exam 3** **In Class**	Chapters 40, 41, 42, 43
Lecture 25 November 18, 2025 Tuesday	Chapter 45	Nervous System
Lecture 26 November 20, 2025	Chapter 48	Nervous System – Special Senses Eye and Ear
November 23-30, 2025	Thanksgiving Holidays	
December 1, 2025 Monday	Online Quiz 7 Before 11:59 PM ET	Activity Guide 7 (Endocrine and Nervous System, Eye and Ear) See Module 4
Lecture 27 December 2, 2025 Tuesday	Chapter 48	Reproductive System/Human Development
Lecture 28 December 4, 2025 Thursday	Chapter 48	Human Development
December 5, 2025 Friday	Last day of classes	
December 6, 2025 Saturday	Reading Day	
December 8, 2025 Monday	Online Quiz 8 Before 11:59 PM ET	Activity Guide 8 (Reproductive System Human Development See Module 4
December 9, 2025 Tuesday 7:30-9:00 PM ET	Module Exam 4 In Class	Endocrine system, Nervous system, Special senses (eye and ear), Reproduction, and Animal Development

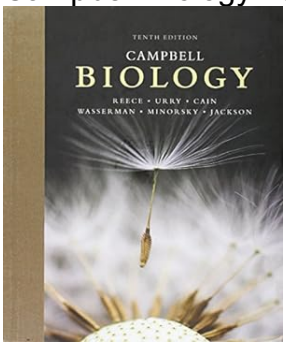
Fall 2025 Calendar

Classes begin	August 19, 2025
Last day to change/drop a course without W assigned	August 25, 2025
Fall Break	October 9-10, 2025
Last day to drop a course without WF recorded	November 5, 2025
Thanksgiving Break	November 23-30, 2025
Last day of classes	December 5, 2025
Reading Day	December 6, 2025
Final Exams	December 8-15, 2025
Commencement	December 15, 2025

Picture of the text for course (Campbell Biology 11th edition):



Campbell Biology 10th edition



The instructor reserves the right to modify the syllabus, course, and policies if necessary.