

BIOL 1306: Biology for Science Majors I

Class: 3 Semester Credit Hours

BIOL 1306 Online

BIOL 1106: Biology for Science Majors I Lab

Lab: 1 Semester Credit Hours

BIOL 1106 Online

Clarendon College
Division of Science and Health
Course Syllabus
Summer I 2025

Instructor: Mrs. Rachel Randall

E-mail: rachel.randall@clarendoncollege.edu

Virtual Office Hours: Contact me through email or Open LMS to set up zoom meetings

The “Messages” feature within the online platform is the main method you should use to contact me. I will make every effort to check the course website every weekday and respond to your message requests within 24 hours on business days.

Instructor's Plan for Regular and Substantive Interaction

The student can expect timely and frequent interaction with the instructor throughout the course. Each assignment will have a due date on the calendar, syllabus link, or within the module. The instructor will communicate with the student using email, announcements, discussions, assignments, office hours, and/or virtual Zoom meetings. The student can expect instructor-initiated posts, replies, and/or follow-up questions on discussion boards, individualized feedback on assignments, live Zoom discussions or meetings, and/or announcements focused on the course content. The instructor will respond to learner inquiries or requests for assistance within one business days and provide feedback on assignments within 7 days of the due date.

Online Course website: This online course uses Open LMS as its online course management program. All instructions, tutorials, exams, and assignments are provided through your Open LMS course. All assignments must be submitted there. Due dates for all assignments are listed in the “Course Schedule” at the course website. Most communication between you and your instructor and fellow classmates will be handled in the online platform through the “Messages” feature and discussion forums. You will be able to log into the course website once you have officially registered for the course and once you have been added to the course website. The course website will become available to you by the first day of the semester. If you register late, you will generally have access to the course within 24 hours after you register.

BIOL 1306 Course Description: Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included.

Co-requisite: BIOL 1106 Biology for Science Majors I Lab

BIOL 1106 Course Description: This laboratory-based course accompanies BIOL 1306, Biology for Science Majors I. Laboratory activities will reinforce the fundamental principles of living organisms, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Study and examination of the concepts of cytology, reproduction, genetics and scientific reasoning are included.

Pre-/Co-requisite: BIOL 1306 Biology for Science Majors I

Required Instructional Materials Supplies: This course has a required textbook that is available online at no cost to students. The labs require materials that can be purchased at a grocery and/or variety store. You are responsible for reading the text: Biology 2e textbook authored and published by OpenStax College (License: [CC-BY 4.0](https://creativecommons.org/licenses/by/4.0/)). You can access and/or download the textbook material at <https://openstax.org/details/books/biology-2e>.

You do not have to print the textbook as it is available as an e- text on the OpenStax website and available via hyperlinks from Open LMS.

Methods of Instruction: This course will utilize readings from the text, PowerPoint presentations, forum discussions, audio-visual materials, and research (on the web and/or in the library).

Student Rights and Responsibilities: Student Rights and Responsibilities are listed on the College website at: <http://www.clarendoncollege.edu/Resources/Student%20Services/StudentRightsResponsibilities.pdf>

Course Objectives

In accordance with recommendations from the Texas Higher Education Coordinating Board, all life and physical science courses at Clarendon College will address the following core objectives:

- **Critical Thinking Skills** – including creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
- **Communication Skills** – including effective written, oral, and visual communication.
- **Empirical and Quantitative Skills** – including application of scientific and mathematical concepts.
- **Teamwork** – including the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.

Specific **Student Learning Outcomes** for the class and lab can be viewed from the THECB website at this link: <https://reportcenter.highered.texas.gov/training-materials/lower-division-academic-course-guide-spring-21/>

Computer/Technology Requirement: This course uses a variety of web resources that require a good Internet connection and an up-to-date browser. The course will have its best appearance and functionality utilizing Mozilla Firefox. Note: If you use your iPad or iPhone to work in this course, download and use Mozilla Firefox to access the course instead of using Safari as your internet browser. Note: To use your **mobile device**, install the **Open LMS app**. Some activities cannot be completed on a mobile device.

You must have the following programs on your computer in order to use and complete these online courses:

- Adobe Reader (to view the PDF type of documents)
- Latest version of one of these internet browsers on your computer: **Mozilla Firefox, Google Chrome, or Microsoft Edge.**
- You must also have access to the **Microsoft Office** program that contains Microsoft Word to view some documents and PowerPoint to view some slideshows. (If you don't already have it on your computer, you can download the free Microsoft 365 available through Clarendon College. Click [these instructions](#) for help downloading it as well as accessing your Bulldogs email.)

Grading Policies:

Biology for Science Majors I Class

1. **Required Enrollment Verification Activity (EVA):** Required Enrollment Verification Activity
This activity is a "Course Contract" that explains you understand and will abide by my class policies as explained in the syllabus. It is located in the Class Orientation section of your course.

Students who fail to complete the Syllabus Agreement EVA (Enrollment Verification Activity) by the official census date may not be able to continue in the course. This could result in an F for the course and forfeiture of Financial Aid. The census date for this term can be found on the Academic Calendar located at the Inside CC link on Clarendon College's home page.

2. **Class discussions and presentations will count as 20%** of your final course grade. This portion of your grade comes from your completion of class discussions and assignments that are posted in Open LMS.
3. **Chapter quizzes and assignments will count as 40%** of your final course grade. Each chapter has at least one quiz. BEFORE you attempt the quiz:
 - a. Be sure to read the e-text chapter thoroughly.
 - b. You may find it helpful to review the included PowerPoints as well as class notes that accompany the chapters.
 - c. Be certain to complete the discussion or activity for that chapter.
 - d. You will only have one attempt for each chapter quiz. Once you begin the quiz, you must complete it within the allotted time.
 - e. No quiz grades will be dropped.
4. **Class exams will count as 40%** of your final course grade.
 - a. The exams will utilize a variety of question formats (objective, matching, multiple choice, true/false, etc.)
 - b. You will only have one attempt for each exam. Once you begin the exam, you must

- complete it within the allotted time.
- c. All class exams, including the final, will be weighted equally.
- d. Each exam covers the material covered since the last exam (not comprehensive).
- e. No exam grades will be dropped.

BIOL 1106: Biology for Science Majors I Lab

1. Required Enrollment Verification Activity

This activity is a "Course Contract" that explains you understand and will abide by my class policies as explained in the syllabus. It is located in the Class Orientation section of your course.

Students who fail to complete the Syllabus Agreement EVA (Enrollment Verification Activity) by the official census date may not be able to continue in the course. This could result in an F for the course and forfeiture of Financial Aid. The census date for this term can be found on the Academic Calendar located at the Inside CC link on Clarendon College's home page.

2. Lab quizzes and assignments will count as 60% of your final lab grade.

- a. There will be **One Attempt** per quiz. Even though these quizzes are open notes; it would be to your advantage to watch the Video, read the Lab Exercise, and perform any required lab activities before taking the quiz.

3. Lab exams will count as 40% of your final lab grade.

- a. You will take a midterm and a final lab exam.
- b. These exams are equally weighted and non-comprehensive.
- c. You will only have **One Attempt** on the lab exams. **Neither one will be dropped.**

You will receive a separate letter grade for BIOL 1306 and BIOL 1106. This grade comes from the components described above. **Student grades and course averages are viewable in Open LMS by clicking on the "Course Dashboard" and then clicking on the "Gradebook" in Open LMS. All graded activities/discussions/quizzes/exams for BIOL 1306 and 1106 must be completed and/or submitted in the Open LMS learning platform..**

Grading Policies:

The final semester grades will be figured as set in the current catalog: 90-100 = A 80-89 = B 70-79 = C
60- 69 = D 59 or Below = F

Your official final course grade will appear in your Student Portal.

Grades earned for each graded activity will be available in Open LMS. However, in your Open LMS gradebook, assume that any activity you did not complete is a zero, even if a hyphen appears beside the activity in the gradebook. The current course average shown in the Open LMS gradebook will not be correct until I have replaced the hyphens with zeroes.

Academic Integrity Policy: An Excerpt from Clarendon College's Student Handbook

Clarendon College is committed to a philosophy of honesty and academic integrity. It is the responsibility of all members of the Clarendon College community to maintain academic integrity at Clarendon College by refusing to participate in or tolerate academic dishonesty. Any act of academic dishonesty will be regarded by the faculty and administration as a serious offense.

Be certain to review the Student Academic Integrity and Classroom Ethics policies in your Student Handbook. You are responsible for both knowing and adhering to these policies. You may access the Student Handbook at this link:

<https://www.clarendoncollege.edu/resources/student%20services/2018-2019%20student%20handbook.pdf>

Class Policies:

1. **Online Attendance Policy:** Regular attendance is mandatory in all online courses. At least one activity each week must be completed in order for students to be considered "in attendance." Failure to complete these assignments can result in forfeiture of Financial Aid and failure of the class.

For this course, I will submit an attendance report each Monday morning and on the census date. Students who are following the online attendance policy and participate in at least one weekly assignment on the course schedule are marked "present."

2. **Make-up work:** Late will not be accepted unless the missed assignment is due to an emergency (with documentation). Allowing a student to make up late work is solely at the discretion of the instructor. **A 10% deduction per day will be applied unless prior arrangements have been approved.**

3. **Final Exam:** Students must take a final for each of their academic courses. The schedule of final exam times is published at the beginning of the semester. I will not give any early finals except in extreme emergencies after students have provided documentation of said emergency. ****Because grades must be posted to transcripts, this deadline absolutely cannot be extended. Be sure that you do not miss taking these exams during the specified time.****
4. **Scholastic Honesty:** I adhere to a strict policy regarding academic honesty. Anyone who is dishonest in any way will receive a zero on that assignment or exam with no opportunity to make up the zero and may be dropped from the course with a grade of F.
5. **Grievance Policy:** If you have a dispute concerning your grade or policies in this class, it is the student's responsibility to contact the instructor to discuss the matter. Should things remain unresolved, please follow the procedures described in the Clarendon College Student Handbook or College Policy Manual.
6. **Accommodations:** REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT: In accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, any student who feels that he or she may need any special assistance or accommodation because of an impairment or disabling condition should contact the Associate Dean of Enrollment Services at 806-874-4837 / janean.reish@clarendoncollege.edu or visit the Clarendon campus at Clarendon College. It is the policy of Clarendon College to provide reasonable accommodation as required to afford equal educational opportunity. It is the student's responsibility to contact the Associate Dean of Enrollment Services.
7. **Nondiscrimination Policy**
Clarendon College, in accordance with applicable federal and state law, prohibits discrimination, including harassment, on the basis of race, color, national or ethnic origin, religion, sex, disability, age, sexual orientation, or veteran status. It is the policy of Clarendon College not to discriminate based on gender, age, disability, race, color, religion, marital status, veteran's status, national or ethnic origin, or sexual orientation. Harassment of a student in class, i.e., a pattern of behavior directed against a particular student with the intent of humiliating or intimidating that student will not be tolerated. The mere expression of one's ideas is not harassment and is fully protected by academic freedom, but personal harassment of individual students is not permitted.
8. **Withdrawal:** If you decide that you are unable to complete this course or that it will be impossible to complete the course with a passing grade, you may drop the course and receive a "W" on your transcript instead. (The last day to drop a course is available on the Academic Calendar, located at the Student link on the Clarendon College website.) Withdrawal from a course is a formal procedure that you must initiate. If you do not go through the formal withdrawal procedure, you will receive whatever grade you have earned.
Whether to drop a class or not requires a lot of thought. According to Texas state law a student is only allowed to drop the same class twice before he/she will be charged triple the tuition amount for taking the class a third time or more. Furthermore, beginning with the Fall 2007 semester, students in Texas may only drop a total of 6 courses throughout their entire undergraduate career. After the 6th dropped class, he/she will no longer be able to withdraw from any classes.

Biology 1306 and 1106

Tentative Course Calendar and Outline – Summer 1 2025

Tentative Course Schedule: This course schedule is also available in your Open LMS courses. The course schedule is subject to change. If changes are made, you will receive a message in your Bulldog email.

**** Weekly attendance is determined by completing at least one assignment from the course schedule. I take attendance every Monday, based on the assignments submitted in the previous week**

All quizzes and exams are open. You can progress through the course at your own pace and work ahead.

However, note that the due dates are absolute. 10% per day deduction on late assignments.

Due Date	Lecture Biol 1306	Lab Biol 1106	Due Date
	Biol 1306: WEEK 1 (MAY 28 – MAY 30)	Lab: WEEK 1 (MAY 28 – MAY 30)	
Due Friday May 30	Classes start Wednesday, May 28 – it is important to log in to the course immediately so I can count you present for the college's records Thurs., May 29th - last day to last day to register and add/drop Syllabus and Quick Links Keys to success in this course Unit 1 - Class Orientation & Required EVA *Verify Identity (attendance) Unit 2 - Introduction to Biology (Chpt 1 and 2)	Syllabus and Quick Links Start Here: Class Orientation & Required EVA *Verify Identity (attendance	Due Friday May 30
	Biol 1306: WEEK 2 (MAY 31 – JUNE 8)	Lab: WEEK 2 (MAY 31 – JUNE 8)	
Due Thursday June 5 Due Sunday June 8	Unit 3 - Chemistry of Life & Biological Macromolecules (Chapters 2 and 3) Unit 4 - Cells and Plasma Membranes (Chapter 4 and 5) *Discussion - Tonicity in Cells (attendance) Unit 5 - Cell Reproduction (Chapter 10) ** Exam 1 (Chpt 1-5 and 10)	Microscopy & Scientific Method Prokaryotic Vs Eukaryotic Cell Anatomy & Plasma Membrane Mitosis *Mitosis Mover (Attendance)	Due Friday June 6
	Biol 1306: WEEK 3 (JUNE 9– JUNE 15))	Lab: WEEK 3 (JUNE 9– JUNE 15)	
Due Thursday June 12	Unit 6 - Metabolism and Cellular Respiration (Chapters 6 and 7) *Discussion - Cellular Respiration (attendance) Unit 7 - Photosynthesis (Chapter 8)	Cellular Respiration Photosynthesis *Quiz 9 Private Life of Plants (Attendance)	Due Friday June 13

Due Sunday June 15th	** Exam 2 (Chpt 6-8)		
	Biol 1306: WEEK 4 (JUNE 16– JUNE 22)	Lab: WEEK 4 (JUNE 16– JUNE 22)	
Due Thursday June 19	Unit 8 - Meiosis and Sexual Reproduction (Chapter 11) *Discussion - Meiosis and Sexual Reproduction (attendance) Unit 9 - Mendel's Experiments and Heredity (Chapter 12) Unit 10 - Modern Understandings of Inheritance (Chapter 13) -----	Meiosis Mendelian Genetics *Quiz 12 Mendel's Laws (Attendance) Midterm Lab Practical (Exam)	Due Friday June 20
Due Sunday June 22	** Exam 3 (Chpt 11-13)		
	Biol 1306: WEEK 5 (JUNE 23– JUNE 29)	Lab: WEEK 5 (JUNE 23– JUNE 29)	
Due Thursday June 26	Unit 11- DNA Structure and Function (Chapter 14) *Completed DNA Structure & Function Worksheet Unit 12 - Genes and Proteins (Chapter 15) Unit 13 - Biotechnology and Genomics (Chapter 17) -----	DNA *Protein Synthesis Race (Attendance) Genetic Engineering Population Genetics	Due Friday June 27
Due Sunday June 29	** Exam 4 (Chpt 14, 15, and 17)		
	Biol 1306: WEEK 6 (JUNE 30 - JULY 1)	Lab: WEEK 6 (JUNE 30 - JULY 1)	
Due Monday JUNE 30	Unit 14 - Evolutionary Processes (Chapter 18) Unit 15 - Viruses (Chapter 21) *Quiz 19	Evidence for Evolution Dichotomous Keys *Dichotomous Key Forum (Attendance)	Due Monday JUNE 30
Due Tuesday July 1	**Final Exam – Chapters 18 & 21 <i>o be taken online between Sunday, June 29th and Tuesday, July 1 at 11:59 p.m. CST</i>	Final Lab Practical (Exam)	Due Tuesday July 1