Biol 1110: Biology for Non-Majors
Summer 2026

Instructor Name	Kimberly Morrissey PhD
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Office Location	Zoom
Office Hours	Mondays, 6:00-7:00pm.
Course Number	BIOL 1110
Section Number	501
Semester & Year	Summer 2026
Credit Hours	3
Campus/Rooms	online
Meeting Time	asynchronous

Catalog Description
This course for non-science majors compliments the concepts covered in the associated general biology lab course. Students will learn quantitative skills involved in scientific measurement and data analysis. Students will also perform experiments related to topics such as biochemistry, cell structure and function, molecular biology, evolution, taxonomic classification and phylogeny, biodiversity, and ecology

Learning Outcomes
1. Students will be able to explain the value of the scientific method as a means for understanding the natural world and for formulating testable predictions
2. Students will be able to explain how chemical and physical properties apply to biological processes at the cellular level
3. Students will demonstrate knowledge of basic concepts and mechanisms of cell biology
4. Students will demonstrate the understanding that all organisms share properties of life as a consequence of their common ancestry
5. Students will understand the fundamental processes of molecular biology
6. Students will understand the mechanisms of evolution including natural selection, genetic drift and mutations
7. Students will understand the methods of inferring phylogenetic relationships and the basis for biological classification
8. Students will recognize the value of biological diversity, conservation of species, and the complexity of ecosystems

How to Contact Me
- EMAIL – kmorrissey@salud.unm.edu
- Message me through CANVAS. **Course website** https://canvas.unm.edu/
    - Response Time is traditional business hours within 24-48 hours.

Textbooks, Course Materials, Technology:
Fowler, Samantha, et al. *Concepts of Biology*. OpenStax, 7 July 2025, openstax.org/books/concepts-biology/pages/1-introduction. Accessed 16 Aug. 2025.

Technology Recommendations and Requirements
To ensure the best possible learning experience, owning, or having reliable access to, a modern personal computer with virus protection is recommended.

If you do not have a reliable computer or internet connection, you will need to make arrangements with the testing center computer pods with the Respondus Lockdown Browser and Monitor installed and ready. The hours and availability do vary so plan ahead. Missing assessments due to faulty personal devices or internet will not allow you additional attempts.

Online courses perform optimally on high-speed internet, particularly with cable and DSL connections. Some courses might require the need for a webcam, microphone, and internal and/or external computer speakers in order to participate in group discussions, create and upload video submissions, listen to live or pre-recorded lectures and videos, etc. Please check with your instructor to ask what type of technology might be necessary in order to be successful in the course. Technology requirements may vary from class to class.

Visit the Canvas browser and computer requirements page and run their browser checker to make sure you are ready to go!
Other types of Technology Requirements to be a successful online student:

- A working black and white printer for assignments or a digital tablet, software and stylus for editing and saving a modified .pdf
- Ability to scan an upload paper documents as a .pdf (Dropbox and the Apple 'Files' app both have this ability)
- A color camera. Phone cameras and webcams are fine.
- Our class will specifically require the ability to convert and upload a printed or digitally downloaded document into a quality .pdf/photoshop document file. The quality of the document must be equivalent to the quality of the original document for grading purposes.
- You must have the ability to seamlessly run a Zoom based meeting with video and audio for scheduled class meetings.
- YouTube proficiency and ability to skip an ad or two.
- Reliable word processing software such as MS Word. UNM students can download MS Office 365 for free. Details on what it is and who is eligible.
- Please note that Mac Pages and Google doc files are not accepted for submitted assignments. Both programs have Export or Save as options that let you convert your work to .docx.
- Ability to view course materials by using Adobe Acrobat free file reader and MS Word.
- Regular and weekly access to UNM Canvas and your UNM email account.
- Possibly the ability to download and use Kaltura Capture or Adobe Premier Rush, Adobe's video editing tool. UNM students can download Adobe Premier Rush for free through Adobe Creative Cloud. *Note: branch campus students should double-check to make sure your campus is participating.*

Essential Skills
Activities will be incorporated into this course to support development of the following three essential skills that are required by NM/HED: *Critical Thinking, Personal & Social Responsibility, Quantitative Reasoning*
Student progress in developing essential skills will be measured in assignments, discussions, and/or exams throughout the course.

What to Expect:
Our class is a combination of recorded lectures, videos, and exercises. All lectures and supplemental videos are available on YouTube. You are expected to read the assigned chapter, answer the "Guided Notes" questions, complete homework, quizzes, exams and projects. See the grading rubric below for details.

Attendance Policy: You should discuss any planned absences or problems regarding attendance with me. In addition, you should talk with me as soon as possible any time you miss more than one class or if you fail to complete assigned work. Attendance is based on assignment completion. Students who fail to login at the beginning of the course **may** be dropped for non-attendance or non-participation. Students must demonstrate a record of course participation that is based on academically related activities in order to demonstrate "attendance" in the course. The minimum academically related activity for course participation which is here

defined as timely completion of assignments by their due dates or responses requested by the instructor via email. It is the student's responsibility to drop the course if the student no longer wishes to attend or is unable to attend.

PLAGIARISM --- if you copy an answer (75%+ word for word) from the book, internet, or my PowerPoint slides, you will get a ***ZERO*** on the ENTIRE assignment.

Other Requirements

- Students are responsible for all materials covered in class and in the reading assignments. Some book material that is not covered in class may still appear on examinations.
- Students are expected to do their readings before class.
- Students are expected to have watched relevant lecture material before class.
- Students may be expected to seek out information on web sites or other books to further their understanding of the material covered in class.
- Students themselves are responsible for seeking information on any assignments that may have been given out during their absence.
- This course requires proctored assessments.

Respondus lockdown browser

Assessments (see more below) may, per notification by the instructor, be completed using the Respondus lockdown browser. You will either need a laptop or an iPad to use this. More information about downloading and using Respondus can be found here: https://canvasinfo.unm.edu/external-apps/respondus-ldb-index.html

Dropping the Class

The Instructor may drop students for inactivity of 1 or more weeks or inappropriate/aggressive behavior toward the instructor or other students. However, students wishing to be dropped from the course should be aware that it is their responsibility to drop themselves from the course. Elective drops must be performed by the students and before the expiry of the institutional drop dates.

Due Dates

All assignments are due according to the posted schedule. Essentially, listed items are due by 11:59pm of the listed due date and week with the sole exception of the Final Exam which is Due by 11:59pm on the Thursday of finals week.

Grading

	Points per Assignment	Total
Guided Notes (10 of 11)	10	100
Homework (6 of 7)	25	150
Project (1)	100	100
Quizzes(2)	75	150
Exam (1)	150	150
Final Exam (Cumulative) (1)	250	250
Total		**900**

Grade	**From**	**To**
A+	98	100
A	90	97.99
B+	88	89.99
B	80	88.99

C+	78	79.99
C	70	77.99
D	60	60.99
F	0	59.99

Withdrawal: If you drop the course after the drop deadline, you will receive a grade of 'W'.

Due Dates: Thursday and Sunday each week, excluding finals week.

Guided Notes

Guided notes are provided for each chapter to help you identify key concepts and vocabulary as you read. Complete them *before* any other assignments by reading the assigned section and answering each question in your own words. Questions are primarily knowledge and comprehension level, so the answers should come directly from the textbook unless directed otherwise. A hard copy of the guided notes will be provided for you to use while reading. To receive credit, you will submit your answers on Canvas, where you will be asked to answer a random selection of questions from the guided notes.

Quizzes

Quizzes are meant to help students review the material of the class while practicing the style of the upcoming proctored exams. They will typically be hands-on but may include written questions. Spelling counts. If a university level excuse is accepted for illness etc. they will be available temporarily in an online format and require Respondus Lockdown browser *Closed Book/Notes.*

Exams/Practicals – CLOSED NOTES/BOOK AND PROCTORED

- The purpose of these exams is to evaluate where you are in understanding the details of the concepts in 2-5 chapters/units of the material with the exception of the Final which is cumulative. See grading table for a description of the how many there are.
- Exam questions are based on material in your Guided notes, in-class or video lectures, class activities, and texts. You will be required to synthesize material from more than one source.
- Format: Generally hands on from materials used in class they include fill in the blank, manipulations, and often include objective, multiple choice, T/F, and matching questions.
- MAKE SURE the computer you use is reliable and the internet connection is reliable. If you fail to take the exam during that open window then you will get a 0 for the exam. **There will be no make-ups or extensions.** University accepted excuses can be used to access an online alterative that same week.
- All exams are AUTOMATICALLY set to double time. This should automatically accommodate all students with accommodation letters.
- In the event that you will be using Respondus Lockdown Browser and Monitor. Both require a download of software and Monitor requires a webcam. See the Electronics requirements section of the syllabus for further details. Links to these will be located on online course shell as well
- Instructor will review the videos. All exams are closed books and closed notes.
- If something locks up during a canvas exam IMMEDIATELY email me so I can reset the exam for you before the testing window closes. DO NOT wait until the last minute to take the exam.

Student – Privacy and Rights

- In the unlikely event of any interactive, web conferencing session that may be recorded, you may choose to not attend the live session and instead watch the recording at a later time, or you may choose to *attend the live session with anonymity*.
- To Protect your Privacy, be anonymous, during a virtual classroom session you may choose to:
- Not use or display your name
- Not show video of yourself
- Not use the audio option for speaking
- Use the chat box to ask questions without showing your name

Online Etiquette
This course may require moderate online interaction. Students are required to treat other individuals with the same level of respect that they would in the live classroom. Do remember that there is a person at the other side of a discussion posting, online office hours, etc. when posting a response, question, or e-mail. In addition, you are responsible to make a sincere effort that all online postings, e-mails, etc. use the level of spelling and grammar and courteous tone that is expected in a professional college setting.

UNM Campus Open Computer Labs
Check website www.unm.edu for availability and hours.

Academic Honesty
Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, including dismissal, against any student who is found responsible for academic dishonesty. Students who commit any form of academic dishonesty on an assignment may be assigned a grade as severe as a "0" or "F" for this assignment by the instructor, or will be informed by the instructor that the Dean of Students will be contacted to coordinate a more severe penalty for the offense (e.g. an "F" for the course, or removal from a program - in the case of limited entry programs such as exist in Health Occupations). In the latter case, a centralized record of the student's academic dishonesty incident will be maintained within the Dean of Students Office so that, if future incidents are reported, patterns of behavior can be identified and sanctioned more severely. Sanctions that may be imposed include disenrollment from the course, suspension from campus, expulsion from the institute, and other administrative actions.

The following are some forms of cheating Copying a fellow student's work or copying a previous student's work.
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- The use of AI for assignment responses beyond the allowable scope for this class.
- Any form of communication with your neighbor during a test.
- Talking to anyone but the instructor or proctor during a quiz or examination.
- Communicating via cell phones with other people during a test.
- Notes or books open during in-class exams and quizzes.
- Disclosing or soliciting examination questions to those who may have been absent from an exam.
- Plagiarism (copying entirely or whole phrases from books or websites).
- The use of AI, although acceptable in some other assignments, is not allowed during assessments.
- Any two students handing in assignments with word-for-word responses.

Veterans and Active-Duty Military Personnel
Veterans and active-duty military personnel with special circumstances (e.g. upcoming deployments, drill requirements, disabilities) should communicate these, in advance, if possible, to the instructor. You can also learn about various military benefits on the VA Education Benefits website.

Federal and University Required Syllabus Information
Accommodations: UNM is committed to providing equitable access to learning opportunities for students with documented disabilities. As your instructor, it is my objective to facilitate an inclusive classroom setting, in which students have full access and opportunity to participate. To engage in a confidential conversation about the process for requesting reasonable accommodations for this class and/or program, please contact the UNM-Valencia Equal Access Services (Sarah Clawson, Coordinator), at (505) 925-8840 or by email at sjclawson@unm.edu. Or the UNM-Albuquerque Accessibility Resource Center (https://arc.unm.edu/) at arcsrvs@unm.edu or by phone at 505-277-350

Title IX: UAP 2720 and 2740. Our classroom and university should always be spaces of mutual respect, kindness, and support, without fear of discrimination, harassment, or violence. If you ever need assistance or have concerns about incidents that violate this principle, please access campus support resources. These

include confidential services at LoboRESPECT Advocacy Center, the Women's Resource Center, and the LGBTQ Resource Center. The University of New Mexico prohibits discrimination on the basis of sex (including gender, sex stereotyping, gender expression, and gender identity). UNM faculty and graduate teaching assistants are considered "responsible employees." "Responsible employees" must communicate reports of sexual harassment, sexual misconduct and sexual violence to Compliance, Ethics and Equal Opportunity. For more information on the campus policy regarding sexual misconduct, reporting, and reporting for "responsible employees," please see UAP 2720 and UAP 2740.
If you are pregnant or experiencing a pregnancy-related condition, you may contact UNM's Office of Compliance, Ethics, and Equal Opportunity at ceeo@unm.edu. The CEEO staff will provide you with access to available resources and supportive measures and assist you in understanding your rights. Pregnancy and Parenting Support information is available here.

Student Support: **Confidential** services for students are available at LoboRESPECT Advocacy Center, Women's Resource Center, and the LGBTQ Resource Center. The Women's Resource Center supports all students, including those who are pregnant or are parents. UNM's lactation stations are marked on the UNM campus map.

Mandated by University Accreditation (our hybrid section is a blend):
Student Support: Resources to support study skills and time management are available through Student Learning Assistance at the Center for Teaching and Learning in Zimmerman Library or online.

Land Acknowledgement: Founded in 1889, the University of New Mexico sits on the traditional homelands of the Pueblo of Sandia. The original peoples of New Mexico Pueblo, Navajo, and Apache since time immemorial, have deep connections to the land and have made significant contributions to the broader community statewide. We honor the land itself and those who remain stewards of this land throughout the generations and also acknowledge our committed relationship to Indigenous peoples. We gratefully recognize our history.

Citizenship and/or Immigration Status: All students are welcome in this class regardless of citizenship, residency, or immigration status. Your professor will respect your privacy if you choose to disclose your status. UNM as an institution has made a core commitment to the success of all our students, including members of our undocumented community. The Administration's welcome is found on our website: http://undocumented.unm.edu/.

Responsible Learning and Academic Honesty: Cheating and plagiarism (academic dishonesty) are often driven by lack of time, desperation, or lack of knowledge about how to identify a source. Communicate with me and ask for help, even at the last minute, rather than risking your academic career by committing academic dishonesty. Academic dishonesty involves presenting material as your own that has been generated on a website, in a publication, by an artificial intelligence algorithm (AI), by another person, or by otherwise breaking the rules of an assignment or exam. It is a Student Code of Conduct violation that can lead to a disciplinary procedure. When you use a resource (such as an AI, article, a friend's work, or a website) in work submitted for this class, document how you used it and distinguish between your original work and the material taken from the resource.
Student Support: Many students have found that time management workshops or work with peer tutors can help them meet their goals. These and other resources, including support on how to cite a source, are available through Student Learning Assistance at the Center for Teaching and Learning.

Connecting to Campus and Finding Support: UNM has many resources and centers to help you thrive, including opportunities to get involved in campus life, research experiences, mental health resources, academic support such as tutoring, resource centers for people like you, free food at Lobo Food Pantry, jobs on campus and financial capability support. Your advisor, staff at the resource centers and Dean of Students, and I can help you find the right opportunities for you.

Wellness: If you do need to stay home due to illness or are experiencing a wellness challenge, please take advantage of the resources below. You can communicate with me at [ ] and I can work with you to provide alternatives for course participation and completion. Let me, an advisor, or another UNM staff member know that you need support so that we can connect you to the right resources. UNM is a mask friendly, but not a mask required, community. If you are experiencing COVID-19 symptoms, please do not come to class.

Student Support: Student Health and Counseling (SHAC) at (505) 277-3136.
TimelyCare: Free 24/7 virtual care services (medical, emotional support, health coaching, self-care, basic needs support).
LoboRESPECT Advocacy Center (505) 277-2911: help with contacting faculty and managing challenges that impact your UNM experience.

Respectful Conduct Expectations: I am committed to building with you a positive classroom environment in which everyone can learn. I reserve the right to intervene and enforce standards of respectful behavior when classroom conduct is inconsistent with University expectations [and/or classroom community agreements]. Interventions and enforcement may include but are not limited to required meetings to discuss classroom expectations, written notification of expectations, and/or removal from a class meeting. Removal from a class meeting will result in an unexcused absence. [Insert number] or more unexcused absences may result in permanent removal and a drop from the course (see attendance policy). The University of New Mexico ensures freedom of academic inquiry, free expression and open debate, and a respectful campus through adherence to the following policies: D75: Classroom Conduct, Student Code of Conduct, University Policy 2240 – Respectful Campus, University Policy 2210 – Campus Violence.

Campus Safety: UNM maintains a Threat Assessment Team (TAT) comprised of qualified professionals trained in mental health, law enforcement, emergency response, and university resources and policy. The TAT convenes in a rapid response to address potential threats to the campus community and maintains communication with local and federal law enforcement, as well as the CARE team. In cases of emergency, call the UNM-Valencia Police Department (505) 925-8570 (phone number on the back of your Lobo ID) or your Health and Health Sciences or branch campus security. You may also call 911. Practice situational awareness: note the nearest building exit to your classroom and identify the nearest Automated External Defibrillator (AED) for use in an emergency by a trained individual. In an emergency, such as response to a fire alarm, you will be able to direct your students to the safest building exit and reassembly point. The interactive campus map visualizes building layout and adjacent spaces for all UNM campuses.

Course Schedule

Week	Date	Topic	Chapters and Assessemnts
1	1-Jun	Characteristics of Life, Scientific Method	1
2	8-Jun	Intro to Chemistry, Cell Structure and function	2, 3 **Quiz 1**
3	15-Jun	Energy, DNA	4, 9.1
4	22-Jun	Cell Structure and function, Central Dogma	3, 9.2 - 9.4 **Exam 1**
5	29-Jun	Mitosis, Enzymes	6
6	6-July	Meiosis, Patterns of Inheritance	7, 8 **Quiz 2**
7	13-July	Evolution and Natural Selection	11, 12

8	20-July	Final	**Final exam**

Note: Instructor reserves the right to make required changes during the course.