



WACO, TEXAS

COURSE SYLLABUS

AND

INSTRUCTOR PLAN

Biology for Non-Science Majors I

BIOL - 1408 - H2

Donna Ewing

NOTE: This is a 16-week course.

NOTE: This is a Blended/Hybrid course.

COVID 19 Notice:

McLennan Community College is committed to providing you with every resource you need to reach your academic goals including your safety. We will continue to monitor the evolving situation with COVID 19 and adjust our safety guidelines to make sure we offer a safe environment for you and our faculty. Please make sure to consult your faculty and the MCC website on any changes to these guidelines.

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Course Description:

Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction.

Prerequisites and/or Corequisites:

None

Instructor Information:

Instructor Name: Donna Ewing

MCC E-mail: dewing@mclennan.edu

Office Phone Number: Please contact through email

Office Location: Science Building 243

Office/Teacher Conference Hours: To serve you better, I will be at the ESEC 30 minutes before and after class.

Required Text & Materials:

You have inclusive access which means you have access DAY 1 to your book and materials. It is included in the cost of class. No additional purchase required.

Student must have consistent access to computer/laptop/tablet with reliable internet access.

There are places on campus that have internet access in the parking lots and Target and library parking lots are said to have good internet access.

MCC Bookstore Website: <http://www.mclennan.edu/bookstore/>

Methods of Teaching and Learning:

Methods of teaching and learning include learning assignments, online videos and presentations, online laboratory exercises, written papers, weekly mini-tests, weekly online assignments, exams, and research assignments.

Learning outcomes:

Biology 1408 is an introductory course designed to introduce various topics in the natural sciences. They include the scientific method and characteristics of life, chemical and molecular concepts, cellular basis of life, respiration and photosynthetic metabolic processes, control mechanisms, cell and organismal reproduction and developmental stages, evolution and ecology.

At the end of this course, the student should be able to:

1. Distinguish between prokaryotic, eukaryotic, plant and animal cells, and identify major cell structures.
2. Identify stages of the cell cycle, mitosis (plant and animal), and meiosis.

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3. Interpret results from cell physiology experiments involving movement across membranes, enzymes, photosynthesis, and cellular respiration.
4. Apply genetic principles to predict the outcome of genetic crosses and statistically analyze results.
5. Describe karyotyping, pedigrees, and biotechnology and provide an example of the uses of each.
6. Identify parts of a DNA molecule, and describe replication, transcription, and translation.
7. Analyze evidence for evolution and natural selection.
8. Apply scientific reasoning to investigate questions, and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data.
9. Use critical thinking and scientific problem-solving to make informed decisions in the laboratory.
10. Communicate effectively the results of scientific investigations.

Course Outline or Schedule:

	Biol 1408: General Biology		
	Fall Semester 2022		
		<u>Chapter</u>	
	<u>Week 1</u>		
22-Aug	Welcome		
		1	
	<u>Week 2</u>		
29-Aug	Study of Life	1	
	Chemistry of Life	2	
			Last day to drop before Census date
	<u>Week 3</u>		
	Labor Day		
7-Sep	Cells	3	
	<u>Week 4</u>		
12-Sep	Cells		
	EXAM #1 Ch 1-3	TBD	
	<u>Week 5</u>		
19-Sep	Energy of Life	4	Group Paper

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	<u>Week 6</u>		
26-Sep	Photosynthesis	5	
	<u>Week 7</u>		
3-Oct	How cells release energy	6	
	<u>Week 8</u>		
10-Oct	Review		
	EXAM #2 Ch 4-6		
	<u>Week 9</u>		
17-Oct	DNA Structure	7	
	<u>Week 10</u>		10/27-Last Day Student Initiated Withdrawal
24-Oct	Mitosis	8	
	Review		
	<u>Week 11</u>		
31-Oct	Meiosis	9	
	TBD		
	<u>Week 12</u>		
7-Nov	Genetics	10	
	<u>Week 13</u>		

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14-Nov	DNA Technology/How Populations Evolve/Evolution		
	<u>Week 14</u>		
21-Nov	Exam #4 Chapters 10-11		
	Thanksgiving		
	<u>Week 15</u>		
28-Nov	Summary/Review		
	Last Day of Class		

Exams - 500

Labs 100

Papers 200

Homework/. Quizzes 200

900+ points- A

800-899- B

700-799- C

600-699 D

599 and under F

Late Work, Attendance, and Make Up Work Policies:

Late work will not be accepted except by instructor approval. Attendance is required either in class or via zoom. Online attendance will be assessed by assignments being completed. Life happens. Contact instructor ASAP when needed.

Student Behavior

Students are expected to treat instructor and other students with respect. No foul language, teasing, bullying, or inappropriate comments will be tolerated. When instructor or another student is talking, students are expected to be quiet and pay attention. Phones should be put away unless used in class for Kahoot quiz time. Notes are best taken by hand so laptops need to be put away. Being on time is respectful for the entire class. Avoid leaving early unless approved by the instructor.

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[Click Here for the MCC Attendance/Absences Policy](https://www.mclennan.edu/highlander-guide/policies.html)

(<https://www.mclennan.edu/highlander-guide/policies.html>)

Click on the link above for the college policies on attendance and absences. Your instructor may have additional guidelines specific to this course.



ACADEMIC RESOURCES/POLICIES

Accommodations/ADA Statement:

Any student who is a qualified individual with a disability may request reasonable accommodations to assist with providing equal access to educational opportunities. Students should contact the Accommodations Coordinator as soon as possible to provide documentation and make necessary arrangements. Once that process is completed, appropriate verification will be provided to the student and instructor. Please note that instructors are not required to provide classroom accommodations to students until appropriate verification has been provided by the Accommodations Coordinator. For additional information, please visit www.mclennan.edu/disability.

Students with questions or who require assistance with disabilities involving physical, classroom, or testing accommodations should contact:

disabilities@mclennan.edu

254-299-8122

Room 319, Student Services Center

Title IX:

We care about your safety, and value an environment where students and instructors can successfully teach and learn together. If you or someone you know experiences unwelcomed behavior, we are here to help. Individuals who would like to report an incident of sexual misconduct are encouraged to immediately contact the Title IX Coordinator at titleix@mclennan.edu or by calling Dr. Drew Canham (Chief of Staff for Diversity, Equity & Inclusion/Title IX) at (254) 299-8645. Individuals also may contact the MCC Police Department at 299-8911 or the MCC Student Counseling Center at MCC at (254) 299-8210. The MCC Student Counseling Center is a confidential resource for students. Any student or employee may report sexual harassment anonymously by visiting <http://www.lighthouse-services.com/mclennan/>.

Go to McLennan's Title IX webpage at www.mclennan.edu/titleix/. It contains more information about definitions, reporting, confidentiality, resources, and what to do if you or someone you know is a victim of sexual misconduct, gender-based violence or the crimes of rape, acquaintance rape, sexual assault, sexual harassment, stalking, dating violence, or domestic violence.

Student Support/Resources:

MCC provides a variety of services to support student success in the classroom and in your academic pursuits to include counseling, tutors, technology help desk, advising, financial aid, etc. A listing of these and the many other services available to our students is available at <http://www.mclennan.edu/campus-resource-guide/>

College personnel recognize that food, housing, and transportation are essential for student success. If you are having trouble securing these resources or want to explore strategies for balancing life and school, we encourage you to contact a Success Coach by calling (254) 299-8226 or emailing SuccessCoach@mclennan.edu. Students may visit the Completion Center Monday-Friday from 8 a.m.-5 p.m. to schedule a meeting with a Success Coach and receive additional resources and support to help reach academic and personal goals. Paulanne's Pantry (MCC's food pantry) provides free food by appointment to students, faculty and staff based on household size. Text (254) 870-7573 to schedule a pantry appointment. The Completion Center and pantry are located on the Second Floor of the Student Services Center (SSC).

MCC Foundation Emergency Grant Fund:

Unanticipated expenses, such as car repairs, medical bills, housing, or job loss can affect us all. Should an unexpected expense arise, the MCC Foundation has an emergency grant fund that may be able to assist you. Please go to <https://www.mclennan.edu/foundation/scholarships-and-resources/emergencygrant.html> to find out more about the emergency grant. The application can be found at https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf.

MCC Academic Integrity Statement:

Go to www.mclennan.edu/academic-integrity for information about academic integrity, dishonesty, and cheating.

Minimum System Requirements to Utilize MCC's D2L|Brightspace:

Go to <https://www.mclennan.edu/center-for-teaching-and-learning/Faculty-and-Staff-Commons/requirements.html> for information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system.

Minimum Technical Skills:

Students should have basic computer skills, knowledge of word processing software, and a basic understanding of how to use search engines and common web browsers.

Backup Plan for Technology:

In the event MCC's technology systems are down, you will be notified via your MCC student email address. Please note that all assignments and activities will be due on the date specified in the Instructor Plan, unless otherwise noted by the instructor.

Email Policy:

McLennan Community College would like to remind you of the policy (<http://www.mclennan.edu/employees/policy-manual/docs/E-XXXI-B.pdf>) regarding college email. All students, faculty, and staff are encouraged to use their McLennan email addresses when conducting college business.

A student's McLennan email address is the preferred email address that college employees should use for official college information or business. Students are expected to read and, if needed, respond in a timely manner to college emails. For more information about your student email account, go to www.mclennan.edu/student-email.

Instructional Uses of Email:

Faculty members can determine classroom use of email or electronic communications. Faculty should expect and encourage students to check the college email on a regular basis. Faculty should inform students in the course syllabus if another communication method is to be used and of any special or unusual expectations for electronic communications.

If a faculty member prefers not to communicate by email with their students, it should be reflected in the course syllabus and information should be provided for the preferred form of communication.

Email on Mobile Devices:

The College recommends that you set up your mobile device to receive McLennan emails. If you need assistance with set-up, you may email Helpdesk@mclennan.edu for help.

You can find help on the McLennan website about connecting your McLennan email account to your mobile device:

- [Email Setup for iPhones and iPads](https://support.microsoft.com/en-us/office/set-up-an-outlook-account-in-the-ios-mail-app-b2de2161-cc1d-49ef-9ef9-81acd1c8e234?ui=en-us&rs=en-us&ad=us) (<https://support.microsoft.com/en-us/office/set-up-an-outlook-account-in-the-ios-mail-app-b2de2161-cc1d-49ef-9ef9-81acd1c8e234?ui=en-us&rs=en-us&ad=us>)
- [Email Setup for Androids](https://support.microsoft.com/en-us/office/set-up-email-in-android-email-app-71147974-7aca-491b-978a-ab15e360434c?ui=en-us&rs=en-us&ad=us) (<https://support.microsoft.com/en-us/office/set-up-email-in-android-email-app-71147974-7aca-491b-978a-ab15e360434c?ui=en-us&rs=en-us&ad=us>)

Forwarding Emails:

You may forward emails that come to your McLennan address to alternate email addresses; however, the College will not be held responsible for emails forwarded to an alternate address that may be lost or placed in junk or spam filters.

For more helpful information about technology at MCC, go to [MCC's Tech Support Cheat Sheet](#) or email helpdesk@mclennan.edu.

Disclaimer:

The resources and policies listed above are merely for informational purposes and are subject to change without notice or obligation. The College reserves the right to change policies and other requirements in compliance with State and Federal laws. The provisions of this document do not constitute a contract.