



BIOL 1307 Syllabus & Addendum

Biology for Science Majors II Spring Semester 2024

Credit: 3 semester credit hours, face to face or fully online.

PREREQUISITE:

Passed the Reading/Writing Sections of COMPASS or any other accepted test. Complete the Online Orientation and answer yes to 7+ questions on the Online Learner Self-Assessment: <http://www.lit.edu/depts/DistanceEd/OnlineOrientation/OOStep2.aspx>

INSTRUCTOR CONTACT INFORMATION:

Instructor	Yunyan Anna Cheng
STARFISH	Found on Blackboard
Email	ycheng@lit.edu
Office Phone	(409) 241-7296
Office Location	MPC 241
Office Hours	Monday: 12pm-4pm Wednesday: 12pm-4pm Thursday: 1pm-4pm Friday: 10am-2:30pm face to face, by phone, or online. Please feel free to contact me outside office hours by phone, email, or raising the "I Need Help" flag in Starfish.

COURSE DESCRIPTION

This course is the second of two courses designed to help understand the scientific study of life at the organismal, population, and community levels. It covers the diversity and classification of life including viruses, bacteria, protists, plants, fungi, and animals, with special emphasis on structure, function, evolution, and ecology.

TEXTBOOK AND MATERIALS:

REQUIRED Textbook - OpenStax Biology 2e – <https://openstax.org/details/books/biology-2e?Book%20details>

COURSE OBJECTIVES:

1. To define biology, comprehend and apply the scientific process.
2. To describe and understand the concept of evolution as genetic change in a population over time. To show how evolution is a unifying theme in biology.
3. To describe the concept of phylogeny and apply it to prokaryotes, protists, plants, fungi, and animals.

4. To describe and understand vertebrate anatomy and physiology.
5. To describe and understand the ecology of population, communities, ecosystems, and the biosphere. Understand the role of humans in the ecology of the biosphere.
6. To understand the significance of biology to you and your life and apply the knowledge acquired to making educated decisions as a member of society.
7. To apply new learning and studying skills to your life.

GRADING SCALE:

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

COURSE EVALUATION:

Final grades will be calculated according to the following criteria:

Assignments	20%
Discussions	10%
Quizzes	20%
Exams (Mid-Term and Final)	30%
Projects	20%
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Total	100%

COURSE POLICIES:

1. You must log into Blackboard and access this course a minimum of **3 times per week**.
2. Cheating of any type will not be tolerated.
3. **Late submissions of assignments/quizzes/exams will be accepted with a deduction of 10% for a penalty.** Students will receive a zero for assignments not completed.
4. Midterm and Final Exams are required with 2 attempts given per exam. The final score of the exam will be calculated by averaging all attempts.
5. Make-up Exams: If you are unable to take an exam when scheduled due to unforeseen illnesses, deaths in the family, or other traumatic events, contact me within 24 hours of the event to schedule a make-up exam. Please provide documentation (letters from family are NOT acceptable) of the events that may conflict with exam dates. I will work with you to schedule a makeup exam.
6. If you wish to drop this course, you must drop it administratively. If you do not drop, you will receive an F for the course.

7. Internet usage- students are to use proper netiquette when participating in course email, assignment submissions and online discussions.
Arizona State University = <https://asuonline.asu.edu/newsroom/online-learning-tips/netiquette-online-students/>
Seth Ross = <http://www.albion.com/netiquette/corerules.html>
The University of Texas at El Paso = <https://www.utep.edu/extendeduniversity/utepconnect/blog/october-2017/10-rules-of-netiquette-for-students.html>

ADDITIONAL COURSE POLICIES

Last day to drop with refund: *January 31, 2024.*

Last day to drop **without academic penalty**: *February 16, 2024*

Last day to drop **with academic penalty**: *April 2, 2024*

No exceptions to these dates.

It is the student's responsibility to make sure you are officially enrolled or dropped from this course. If at any point, you decide to drop the class, it is your responsibility to officially drop (i.e., using proper administrative offices/ paperwork). Any student who stops attending class and does not officially drop the course will be given an "F" as the semester grade.

TECHNICAL REQUIREMENTS:

1. The latest technical requirements including hardware compatible browsers, operating systems, software, JAVA, etc. can be found online at: <https://tinyurl.com/y9jurjh4>
2. A functional broad band Internet connection, such as DSL, cable, or Wi-Fi is necessary to maximize the use of the online technology and resources.

POLICIES:

Student Policy and Procedures for General Academics

Details explaining the expectations for all Lamar Institute of Technology students can be found at this link <https://www.lit.edu/information/policies-and-procedures>

Disabilities Statement

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations department <https://www.lit.edu/student-success/special-populations>.

Student Code of Conduct Statement

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the LIT Catalog and Student Handbook. The LIT Catalog and Student Handbook may be accessed at <https://www.lit.edu/student-success> or obtained in print upon request at the Student Services Office. Please note that the online version of the LIT Catalog and Student Handbook supersedes all other versions of the same document.

Starfish

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

STARFISH – QR CODE



Tentative Weekly Checklist

Week	Assignments	Due Dates
Week 1 Jan 16th – 19th INTRODUCTION & EVOLUTION (Ch 18)	<input type="checkbox"/> Syllabus Quiz <input type="checkbox"/> Discussion Board: Introduction <input type="checkbox"/> Discussion Board: Netiquette <input type="checkbox"/> Video Quiz: Evolution: It's a Thing (Chapter 18) [11m 44s] <input type="checkbox"/> Work on Individual Project: Kingdoms Social Media Project due 03.08.24 <input type="checkbox"/> Sign up & start working on Group Project: Biomes due 04.19.24	01.21.24
Week 2 Jan 22nd – 26th EVOLUTION (Ch 19-20)	<input type="checkbox"/> Discussion Board: Evolution <input type="checkbox"/> Video Quiz: Mechanisms of Evolution (Chapter 19) [5m 24s] <input type="checkbox"/> Video Quiz: Sexual Selection (Chapter 19) [11m 54s] <input type="checkbox"/> Video Quiz: Phylogenetic Trees (Chapter 20) [10m 57s] <input type="checkbox"/> Video Quiz: Taxonomy: Life's Filing System (Chapter 20) [12m 16s] <input type="checkbox"/> Work on Individual Project: Kingdoms Social Media Project due 03.08.24 <input type="checkbox"/> Work on Group Project: Biomes due 04.19.24	01.28.24
Week 3 Jan 29th – Feb 2nd ~ VIRUSES ~ (Ch 21)	<input type="checkbox"/> QUIZ 1: Evolution (Chapters 18-20) opens 02.02.24 and due 02.03.24 <input type="checkbox"/> Video Quiz: Viruses (Chapter 21) [8 m 6s] <input type="checkbox"/> Work on Individual Project: Kingdoms due 03.08.23 <input type="checkbox"/> Work on Group Project: Biomes due 04.19.24	02.03.24 02.04.24
Week 4 Feb 5th – 9th ~ BACTERIA & VIRUSES ~ (Ch 21-22)	<input type="checkbox"/> Discussion Board: Bacteria & Viruses <input type="checkbox"/> Video Quiz: Bacteria (Chapter 22) [11m 4s] <input type="checkbox"/> QUIZ 2: Bacteria, Viruses (Chapters 21-22) opens 02.09.24 and due 02.10.24 <input type="checkbox"/> Work on Individual Project: Kingdoms Social Media Project due 03.08.24 <input type="checkbox"/> Work on Group Project: Biomes due 04.19.24	02.10.24 02.11.24
Week 5 Feb 12th – 16th ~ PROTISTS ~ (Ch 23)	<input type="checkbox"/> Video Quiz: Protists (Chapter 23) [5m 7s] <input type="checkbox"/> Video Quiz: Parasites – Protozoa (Chapter 23) (7m 22 s) <input type="checkbox"/> Work on Individual Project: Kingdoms due 03.08.24 <input type="checkbox"/> Work on Group Project: Biomes due 04.19.24	02.18.24
Week 6 Feb 19th – 23rd ~ PROTISTS & FUNGI ~ (Ch 23-24)	<input type="checkbox"/> Discussion Board: Protists & Fungi <input type="checkbox"/> Video Quiz: Fungi: Death Becomes Them (Chapter 24) [11m 52s] <input type="checkbox"/> Video Quiz: 10 Fantastic Fungi Superpowers (Chapter 24) [9m 47s] <input type="checkbox"/> Quiz 3: Protists & Fungi (Chapters 23 – 24) opens 02.23.24 and due 02.24.24 <input type="checkbox"/> Work on Individual Project: Kingdoms Social Media Project due 03.08.24 <input type="checkbox"/> Work on Group Project: Biomes due 04.19.24	02.24.24 02.25.24
Week 7 Feb 26th – Mar 1st ~ MIDTERM EXAM	<input type="checkbox"/> MIDTERM EXAM covers Chapters 18 – 24 opens 03.01.24 and due 03.02.24 <input type="checkbox"/> Work on Individual Project: Kingdoms Social Media Project due 03.08.24 <input type="checkbox"/> Work on Group Project: Biomes due 04.19.24	03.02.24
Week 8 March 4th – 8th ~ PLANT STRUCTURE & FUNCTION (Ch 25-26, 30-32)	<input type="checkbox"/> Video Quiz: Plants (Chapter 25-26) [7m 47s] <input type="checkbox"/> Video Quiz: Plant Structure (Chapter 30) [13m 37s] <input type="checkbox"/> Video Quiz: Plant Control (Chapter 30) [7m 54s] <input type="checkbox"/> DUE: Kingdoms Social Media Project 03.08.24 <input type="checkbox"/> Work on Group Project: Biomes due 04.19.24	03.08.24 03.10.24
Week 9 MARCH 11TH – 15TH	<input type="checkbox"/> Sleep, rest, relax <input type="checkbox"/> Enjoy time with family and friends <input type="checkbox"/> Netflix, etc. <input type="checkbox"/> Exercise	

<p>SPRING BREAK</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Read a good book <input type="checkbox"/> Do something nice for someone 	
<p>Week 10 March 18th – 22nd ~ PLANT DIVERSITY, STRUCTURE & FUNCTION (Ch 25-26, 30-32)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Discussion Board: Plant Structure & Function <input type="checkbox"/> Discussion Board: Gallery Walk – Kingdoms Social Media Project <input type="checkbox"/> Video Quiz: Plant Nutrition & Transport (Chapter 31) [14m 7s] <input type="checkbox"/> Video Quiz: The Plants and The Bees: Plant Reproduction (Chapter 32) [10m 24s] <input type="checkbox"/> QUIZ 4: Plant Structure & Function (Chapter 25-26, 30-32) opens 03.22.24 and due 03.23.24 <input type="checkbox"/> Work on Group Project: Biomes due 04.19.24 	<p>03.23.24</p>
<p>Week 11 March 25th – 28st ~ ANIMAL STRUCTURE & FUNCTION (Ch 27-29)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Video Quiz: Animals (Module 5) [8m 8s] <input type="checkbox"/> Video Quiz: Comparative Anatomy: What Makes Us Animals? (Chapter 27) [8m 51s] <input type="checkbox"/> Video Quiz: Simple Animals: Sponges, Jellies, and Octopuses (Chapter 28) [11m 31s] <input type="checkbox"/> Video Quiz: Complex Animals: Annelids and Arthropods (Chapter 28) [13m 15s] <input type="checkbox"/> Video Quiz: Chordates (Chapter 29) [12m 9s] <input type="checkbox"/> Work on Group Project: Biomes due 04.19.24 	<p>03.31.24</p>
<p>Week 12 April 1st – 5th ~ ANIMAL STRUCTURE & FUNCTION (Ch 27-29)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Discussion Board: Animal <input type="checkbox"/> Video Quiz: Animal Development: We are Just Tubes (Chapter 33) [11m 32s] <input type="checkbox"/> Video Quiz: Introduction to Animal Systems (Module 7) [25m 17s] <input type="checkbox"/> QUIZ 5: Animal Structure & Function (Chapters 27-29, 33-43) opens 04.05.24 and due 04.06.24 <input type="checkbox"/> Work on Group Project: Biomes due 04.19.24 	<p>04.06.24 04.07.24</p>
<p>Week 13 April 8th – 12th ECOLOGY (Ch 44-47)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Video Quiz: Introduction to Ecology (Chapter 44) [4m 47s] <input type="checkbox"/> Video Quiz: Population Ecology (Chapter 45) [12m 10s] <input type="checkbox"/> Video Quiz: Community Ecology: Feel the Love (Chapter 45) [11m 30s] <input type="checkbox"/> Video Quiz: Community Ecology II: Predators (Chapter 45) [10m 23s] <input type="checkbox"/> Work on Group Project: Biomes due 04.19.24 	<p>04.14.24</p>
<p>Week 14 April 15th – 19st ECOLOGY (Ch 44-47)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Video Quiz: Symbiosis in the Sea (Chapter 45) [10m 17s] <input type="checkbox"/> Video Quiz: Hydrologic & Carbon Cycles (Chapter 46) [10m 04s] <input type="checkbox"/> Video Quiz: Nitrogen & Phosphorus Cycles (Chapter 46) [9m 22s] <input type="checkbox"/> DUE: Group Project: Biomes 04.19.24 	<p>04.21.24</p>
<p>Week 15 April 22nd – 26th ECOLOGY (Ch 44-47)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Discussion Board: Gallery Walk - Biomes Project <input type="checkbox"/> Video Quiz: 5 Human Impacts on the Environment (Chapter 47) [10m 38s] <input type="checkbox"/> Video Quiz: Pollution (Chapter 47) [9m 22s] <input type="checkbox"/> Video Quiz: Conservation & Restoration (Chapter 47) [10m 13s] 	<p>04.28.24</p>
<p>WEEK 16 April 29th – May 3rd ECOLOGY (Ch 44-47)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> QUIZ 6: Ecology (Chapters 44 – 47) opens 04.28.24 and due 04.29.24 <input type="checkbox"/> Review for Final Exams 	<p>04.29.24</p>

<p>WEEK 17 May 6th – May 9th ~FINAL EXAM YOU MADE IT!</p>	<p><input type="checkbox"/> FINAL EXAM (Chapters 25 – 47) opens 05.05.24 and due 05.06.24</p> <p>CONGRATULATIONS ON A SUCCESSFUL SEMESTER 😊</p>	<p>05.06.24</p>
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