

Course: General Biology II – Biology of OrganismsCourse Number & Section: BIOL 1307_003 (3 credits)Instructor: Ashley Aguilar, MSc.Email: aaguilar2@tamusa.eduOffice Hours: Tuesday & Thursday 11:30AM – 1:30PM; before/after class; by appointment; feel free to emailme!Office: STEM 311- my desk is in front of 311F

Meeting times: MWF from 10:00AM - 10:50 AM

Location: <u>Face-to-Face</u> in <u>SCITECH 141</u>; occasional virtual meetings may occur and will be posted through Blackboard Announcements and sent through Jagwire Email.

Lab: MUST BE ENROLLED IN BIOL 1107 LAB CONCURRENTLY (unless already taken). REQUIRED COURSE PREREQUISITE: BIOL 1306 and 1106.

REQUIRED MATERIAL

Textbook (E-book): McGraw Hill; <u>Biology</u>, 13th Edition, Raven, Johnson, Mason, Losos, Duncan **<u>BOOK FEE WAS ASSESSED-YOU SHOULD HAVE ACCESS ON FIRST DAY OF CLASS</u> through the online Connect system** <u>Do not pay again if you hit a paywall</u>!

**You may also purchase a loose-leaf copy at a special rate from the publisher. This is a great option if you know you will need a physical copy of the text. Order using the link within Connect.

Connect: Connect is the online learning platform that accompanies your textbook. <u>You must register for it</u> <u>separately</u>. <u>Student registration can be found via the link provided on Blackboard under the Course Content</u> <u>tab</u>. This is also the same location your ebook can be found.

Blackboard: <u>This is where you will go for lecture notes, assignment submission links, grades, and weekly announcements.</u> Power-point/PDF versions of lectures will be posted on Blackboard; Announcements regarding lectures or labs may be posted on Blackboard; Grades for individual assignments/labs etc... will be posted on Blackboard as we go along.

Recommended (HIGHLY) Material: You will be required to bring an <u>882-E scantron</u> for each of your exams (<u>5</u> total; see schedule) and <u>a pencil</u>. You can purchase a scantron packet from the bookstore.





ßSeek by iNaturalist app (free!); see Methods of Assessments Section below

You are also **HIGHLY** encouraged to work off of a <u>computer or laptop with audio/microphone</u> as a phone does not have the capacity to run some of the virtual material. <u>If you need a computer or wi-fi</u>, please contact <u>IT directly for assistance</u>. IT contact information can be found in the Table of Contents in Blackboard as well as the University website. Furthermore, <u>computer labs on campus are open and available to you!</u> Finally, it is up to the student to have a **stable internet/browser connection** when conducting any online coursework.



Catalog Description and Prerequisites:

1307. General Biology II – Biology of Organisms. 3 (3-0)

This course provides an overview of the diversity of life, the evolutionary relationships among major groups of organisms, and the structural/functional characteristics of these organisms. Topics emphasized will include the study of life at the organismal, population, and community level including form, function, reproduction, taxonomy, systematics, ecology and evolutionary history of biodiversity. This course is designed for students majoring in science fields. This course meets the standards for the Life and Physical Sciences category of courses under the core curriculum. Students majoring or minoring in Biology cannot use placement exams (e.g. CLEP) to fulfill this course requirement. Students whose degree program has this course as a listed requirement must earn a 'C' to be considered passing. Prerequisite: A passing grade of 'C' or better in BIOL 1306 and BIOL 1106. Co-requisite for students majoring or minoring in biology: BIOL 1107 – General Biology II Laboratory.

Learning Objectives:

Upon completion of this course, the student will be able to:

- 1. Students will develop critical thinking skills, communication skills, and Empirical and Quantitative skills. Students will learn to work as a team.
- 2. Student will gain an appreciation for the diversity of life on Earth.
- 3. Students will be able to compare and contrast how different organisms carry out similar life functions.
- 4. Students will understand what homologous structures are.
- 5. Students will be able to interpret basic cladograms that show evolutionary relatedness
- 6. Students will understand the basic principles of evolution.
- 7. Students will understand the basic principles of population, community, and ecosystem ecology. Students will also be able to evaluate if a scientific question is best answered via experiments at the population, community, or ecosystem level.
- 8. Student will be able to critically assess content and illustrate its broader meaning to the public.

List of Topics:

- 1. Darwinian Evolution
- 2. Evolution of populations
- 3. Species concepts
- 4. Phylogeny & Systematics
- 5. Evolution of biodiversity seen on Earth
- 6. Prokaryotes basic cells structure & function roles they play in the biosphere
- 7. Protistans
- 8. Plants: Colonization of Land, Evolution of Seed Plants
- 9. Plant Form & Function
 - a. Structure, growth & development
 - b. Transport in vascular plants
 - c. Plant nutrition
 - d. Plant reproduction strategies
- 10. Fungi
- 11. Animal Diversity
 - a. Invertebrates: Basic classification of organisms within the various invertebrate phyla
 - b. Vertebrates: survey of the main vertebrate groups focusing on homologous characters.



- c. Comparative Survey of how different organisms from invertebrates to vertebrates carry out life functions: nutrition, circulation and gas exchange, osmoregulation and excretion, hormones and endocrine system, reproduction, development, nervous system, sensory and motor mechanisms.
- 12. Introduction to ecology and the biosphere: basic principles of
 - a. Behavioral ecology
 - b. Population ecology
 - c. Community ecology
 - d. Ecosystems
 - e. Conservation biology and restoration ecology

Grading and Methods of Assessment:

The student will be able to answer correctly at least 70% of the questions on scheduled exams, homework and quizzes. Lecture exams and quizzes may consist of true or false, multiple choice, fill in the blank, matching, and short essay questions. All assessments are based on 100 points.

The final grade will be determined as follows:

Lecture Exams	2 at 100pts; 2 at 75pts = 350 pts
Cumulative Final Exam	= 200 pts
Tour of Texas Ecology Portfolio Group Presentation	= 50pts
<u>8</u> out of <u>9</u> Connect Homework	at 20 pts each = 160 pts
<u>6</u> out of <u>7</u> Connect Quizzes	at 20 pts each = 120 pts
7 out of 8 The Environment and You Assignments	at 10 pts each = 70 pts
	950 pts total

Grading:

I will <u>not</u> be scaling exams or assignments during the course of the semester regardless of the average. TOTAL EXAM & PRESENTATION POINTS = 63% of your grade (Q) TOTAL QUIZ POINTS = 13% of your grade (R) TOTAL HOMEWORK POINTS = 16% of your grade (S) TOTAL ENVIRONMENT & YOU POINTS = 17% of your grade (T) TOTAL SCIENTIFIC ARTICLE REVIEW POINTS = 7% of your grade (U)

Q + R + S + T + U = your final grade for the course out of 990 points total

Throughout the semester you will be informed of your grade standing. Grades will be posted on Blackboard.

1. Competencies will be demonstrated on homework, quizzes, activities/projects, and exams. Exams may



have a combination of essay, listing, matching, multiple choice, and true/false questions. All types may not be included on each exam.

- 2. A student must master 70% of the competencies in order to receive credit for the course. A student demonstrating 90% or more knowledge of all competencies will receive an A in the course.
- 3. <u>All **Connect homework and guiz** submissions will be **online**. There will be several activities that are conducted during class time and/or outside with either in-class and/or online submissions.</u>
- 4. All exams will be Face-to-Face during scheduled class time. Please see the syllabus schedule.
- 5. All exams and assignments will be graded on a point system.
- 6. All exams and assignments are scheduled on the tentative syllabus schedule and Blackboard Calendar.
- 7. You may turn assignments in ahead of the deadline, <u>but if you miss the deadline, your assignment will be</u> <u>assigned a zero</u>. <u>I DO NOT ACCEPT LATE WORK.</u>
- 8. There is the *potential* for extra credit opportunities for this class. These will be announced during class time so be sure to attend class regularly because not all can be made up.

****HINTS FOR SUCCESS.** Complete assignments and submit them in on time. <u>Do not wait until the night before</u> to study for exam or complete assignment. <u>All assessments are provided with plenty of completion time</u>.

Lecture Exams (<u>Face-to-Face</u>):

- 1. You will be given <u>four</u> (4) Lecture Exams & a Cumulative Final Exam.
- 2. Your <u>Lecture Exams</u> will consist of approximately 40-50 questions in the format stated in Grading Scheme #1 above. <u>Exams 1 & 2 are worth 100 points each. Exams 3 & 4 are worth 75 points each (mini-exams).</u>
 - Exams will be **given during the scheduled class time**; Feedback will be limited and provided during <u>office hours or by appointment</u>.
 - Exams <u>must be taken</u> on the <u>scheduled class date/time</u> in syllabus & Blackboard.
- 3. Your <u>Cumulative Final Exam</u> contains material from the entire semester. This exam must be taken (it <u>cannot</u> <u>be dropped or replaced</u>).
 - Your final exam will be in a format similar to your lecture exams.
 - Your final exam will consist of <u>100 questions and worth 200 points.</u>
 - Final Exam <u>must be taken</u> by the <u>due date</u> in the syllabus and University Final Exam Calendar and Blackboard <u>during the scheduled time</u>.
- 4. Exams <u>must be taken</u> when scheduled.
 - You may make up an exam only if
 - you contact me within <u>one day (24-hours)</u> of the scheduled exam
 - your absence is one approved by college policies (illness, death in the family, other immediate-family emergencies). <u>Documentation will be required</u>.
 - Again if I do not hear from you within 24 hours of the scheduled exam, you have forfeited the right to make up the exam.

Connect Homework (<u>online</u>):

- <u>One</u> (1) out of the <u>nine</u> (9) Connect homeworks will be dropped and the remaining <u>eight</u> (8) will be included for this portion of your course grade.
- Each chapter(s) will have a set of Homework Questions. You will have 2 attempts to answer these questions and each attempt will have an unlimited time frame so you will have plenty of time to read



the textbook in order to find the answers. This is the only assessment in which I highly encourage you to find the answers to the questions in your textbook.

- All Connect homework assignments will be available beginning the first day of the course unit so you may work ahead; however, each one has a Due Date corresponding with the exam schedule, so complete these first, and then use them to study for your quizzes and exams.
- Chapter Homework assignments <u>cannot</u> be made up.

Connect Quizzes (<u>online</u>):

- You will complete a series of Quizzes (a group of chapters included on an exam) covering the material from the chapters you will study this semester.
- All quizzes will be available beginning the first day of the course unit; however, <u>each quiz is timed (20</u> <u>minutes for 20 questions) with 2 attempts</u>; therefore, it is recommended to complete the corresponding homework(s) first then take the quiz for each exam.
- **One (1)** out of the **seven (7)** quizzes will be dropped and the <u>remaining 6 quizzes</u> will be included for this portion of your course grade.
- Quizzes will cover the main ideas for each exam.
- Quizzes <u>cannot</u> be made up.

Tour of Texas Ecology Portfolio Presentation (Group Effort worth 50 points)

- All semester you will be working in a group of approximately 5-6 team members. Each group will be researching a local biome, invasive species, and animal group/phyla that will be presented during the last week of classes in place of an animal diversity exam.
- Group worksheets will be provided throughout the semester to 'kick-start' the research process as well as use for lecture exam reviews. <u>These worksheets may be graded and included as part of The</u> <u>Environment and You Assignments category (see below section).</u>
- A presentation grading rubric and more details will be provided during Unit 3. *The goal of this activity is to begin <u>applying the general biology concepts</u> that you are learning about to <u>your own personal</u> <u>environment.</u>*

The Environment and You Assignments (7 out of 8):

- 1. Class Assignments (varies online & face-to-face):
 - Throughout the semester, you will complete a series of hands-on activities corresponding with course topics. Additional details will be provided on Blackboard and during class time.
 <u>Therefore, please come to class because each assignment type is different!</u>
 - Class assignments have corresponding due dates & <u>cannot</u> be made up. Please see tentative schedule. <u>Therefore, please come to class! Not all assignments can be made up or may be conducted only during class time.</u>
 - <u>**Some activities are conducted outside with online submissions; therefore, please plan</u> accordingly regarding weather and time management.**
 - 2. <u>Seek by iNaturalist (free app!)</u>

- You will becoming familiar with a few tools/apps the public has access to learn about the
 organisms all around you. These tools are part of a field called Citizen Science that biologists can
 use to help gather various types of data.
 - There will be several (3) small assignments that will use the Seek by iNaturalist tool that you will work on throughout the semester. <u>Assignment details are provided on Blackboard and during</u> <u>class time and each has an associated due date!</u>

3. <u>Scientific Article Reviews</u>

- You will be encouraged to become habitual readers of newspapers and magazines, focusing on articles related to current environmental issues/topics. Throughout the semester and <u>corresponding with each course unit</u> (time between exams), you will conduct an article review on different environmental issues/topics that we discuss <u>during the current course unit</u>.
 - There will be a total **four (4)** article reviews for this portion of your grade.
 - You will <u>submit via Blackboard</u> a short review about the current environmental issue/topic that you learned about in a scientific journal, magazine, newspaper, or the Internet (No blogs or social media). <u>The topic MUST be associated with the current unit!</u>
 - Type two paragraphs, ~ ½ 1 page, 12 pt. font, standard margins and line spacing. In the first paragraph, summarize the article and in the second paragraph, summarize your reaction and opinion of the article. Source of the article <u>must be cited (APA format)</u>. <u>The submitted file must be in PDF or Word format (compatible with Blackboard) to receive credit</u>. <u>Additional details, requirements, and grading rubric is found in Blackboard.</u>

Attendance / Participation:

This is a face-to-face course; therefore, actually coming to class is important. I will randomly take attendance during some lecture days, which can consist of roll call, activity participation, question of the day submissions, etc. Therefore, if you miss class and attendance is taken, you have forfeited any attendance points for that day unless you provide a university-excused absence documentation (per the syllabus).

Makeup Policies:

Due to the nature of this course and the fact that exams, quizzes, and homework/assignments are given plenty notice and/or *are open for more than one week*, make-up opportunities will only be allowed for:

- a. Hospitalization (evidence required),
- b. Hospitalization of an immediate family for which you are the primary caretaker (evidence required), or
- c. Incapacitating illness, such as COVID (evidence required).

If any of the above have prevented you turning in exams, quizzes, or assignment by the due date, you must contact me within 24 hours of the due date. **Due dates for anything assigned will be strictly enforced**.

Blackboard and Course Communication

All grades and assignments will be posted and accessible through the course's Blackboard site. Students must <u>log-in regularly to both the Blackboard site and to their TAMU-SA email account</u> to keep updated on information related to the class. Each student <u>MUST have an active TAMU-SA email account</u>. This will be the email address that is used for any communication between me and you. Students who e-mail me Monday-



Thursday ordinarily can expect a response within 48 hours. Students who e-mail Friday-Sunday ordinarily can expect a response by 9:00 PM on Monday.

Use of Generative AI Permitted Under Some Circumstances or With Explicit Permission

There are situations and contexts within this course where you may be asked to use artificial intelligence (AI) tools to explore how they can be used. Outside of those circumstances, you should not use AI tools to generate content (text, video, audio, images) that will end up in any student work (assignments, activities, discussion responses, etc.) that is part of your evaluation in this course. Any student work submitted using AI tools should clearly indicate with attribution what work is the student's work and what part is generated by the AI. In such cases, no more than 25% of the student work should be generated by AI. If any part of this is confusing or uncertain, students should reach out to their instructor for clarification before submitting work for grading. Use of AI-generated content without the instructor's permission and/or proper attribution in this course qualifies as academic dishonesty and violates Texas A&M-San Antonio's standards of academic integrity.

Violations of Academic Conduct (Section 14.5 Student Handbook)

As a member in an academic community, students at Texas A&M University-San Antonio are expected to exhibit a high level of honesty and integrity in their pursuit of higher education, be mature, be self-directed and be able to manage their own affairs. Students who are unwilling to abide by these basic expectations will find themselves facing academic and/or disciplinary sanctions. Students are expected to share in the responsibility and authority with faculty and staff to challenge and make known acts that violate the Texas A&M University-San Antonio Code of Conduct. For more information, please visit the Office of Student Rights &Responsibilities website http://bit.ly/TAMUSAStudentRR.

Students engaging in an act that violates the standards of academic integrity will find themselves facing academic and/or disciplinary sanctions. Academic misconduct is any act, or attempt, which gives an unfair advantage to the student. Additionally, any behavior specifically prohibited by a faculty member in the course syllabus or class discussion may be considered as academic misconduct. Academic misconduct includes, but is not limited to, cheating, plagiarism, prohibited use of artificial intelligence, multiple submissions, collusion, lying and bribery. For more information, refer to the Student Code of Conduct, Article III: Conduct Rules and Regulations. Texas A&M University-San Antonio faculty has the discretion to impose grade penalties as deemed necessary.

Faculty members are required to report such serious breaches of academic honesty to their chair, their dean and the Office of Student Rights and Responsibilities. In cases of academic

misconduct, students may be subject not only to grade sanctions in courses but to disciplinary action. Grade sanctions may be imposed only by faculty members, but suspension or expulsion may be imposed only by the Vice President for Student Affairs. If a student wishes to appeal the decision of suspension or expulsion due to violations of academic misconduct, they must initiate their appeal as outlined within the Student Code of Conduct. Extenuating circumstances may cause the University to deviate from the defined time frames.



All student term papers and other written assignments are subject to analysis by anti-plagiarism and anti-Al software. Posting of any class work given to student, or solutions, or discussion, on publicly accessible forums, social media, or artificial intelligence is not permissible.

Considering the potential consequences of academic misconduct, it is obviously in students' best interests to avoid even the appearance of such behavior. If a student is unclear whether a specific act might constitute academic misconduct, please she/he should contact the instructor for an assessment of the situation.

STUDENT OBLIGATIONS

- Attendance: <u>Regular</u> and <u>punctual</u> attendance in all classes and laboratories, day and evening, is <u>required</u>. Students who are absent for any reason should always consult with their instructors prior to absence (if possible). <u>Both tardiness and early departure from class may be considered forms of</u> <u>absenteeism</u>. A student may be dropped if there are excessive absences. Review the college policies on attendance and excessive absences as stated in the college catalog.
- 2. <u>Students will need to check their emails daily in case of changes or updates to the class.</u>
- 3. A student absent for the equivalence of **2 weeks** of classes <u>may</u> be automatically dropped from the course with a "W".
- 4. The instructor will only withdraw students for nonattendance until the official Withdrawal Date. Students who have not withdrawn themselves or requested withdrawal by the instructor, and stop attending class after this date will receive a performance grade (A/B/C/D/F).
- 5. It is <u>not</u> the instructor's responsibility to provide a student with any notes, assignments, or reviews missed due to student absence. All materials may be obtained by contacting the instructor during office hours, getting with a classmate, and/or downloaded from your Blackboard course. <u>All material for the course is located on Blackboard.</u>
- 6. Email Etiquette: Professional email etiquette is a requirement when communicating with me (or anyone) online. A proper greeting (e.g. Ms. Aguilar, Professor Aguilar, Hello Ms. Aguilar, etc.) with a coherent message needs to be included with every email sent to me. Emails that do not satisfy these conditions will be ignored. *Please do not write emails as you would text or include the entire email body in the subject heading, and please be respectful to all.*
- 7. Assessments: All chapter homework, quizzes, and assignments are due Sunday by midnight on the Blackboard website. You are encouraged to get ahead on assignments. Once the deadline has passed, your score will be zero with no make-up opportunity if it has not been completed, unless your instructor states differently. Blackboard will have a calendar displaying when all assignments and exams are due. It is the student's responsibility to frequently check this calendar. Finally, it is up to the student to have a stable internet/browser connection when conducting online assignments. Feel free to utilize the campus or contact IT for assistance.
- 8. **Grades:** All grades are final at the end of the semester. If there is an issue, please make an appointment with me and be prepared to defend your case (i.e. bring <u>ALL</u> assignments, etc.).
- 9. Studying Tips: In college, it is expected that for every credit hour you spend in class, you spend 3 hours working on that material at home. Thus, in the class, it is expected that in addition to coming to class, you also spend 9 hours a week on outside work pertaining to this class. This of course <u>takes time-management skills</u>. <u>Please take this into consideration when planning your semester activities.</u>



- 10. Laptops and Cell Phones: If you are going to use your laptop for taking notes, please sit in the back row as research has shown computers disrupt others around and behind you. If I catch you doing something other than taking notes on your computer, you will be asked to leave. ALL cell phones must be placed on silent or off and put away during class time. If you are caught using a cell phone then you will be marked absent and possibly asked to leave the class. Please inform me prior to class if you are expecting an emergency notification. *Since some assessments are online, you are HIGHLY encouraged to work off of a computer or laptop with audio/microphone. Please coordinate with IT and feel free to use the campus resources such as computer labs, as needed.
- 11. **Questions:** Biology is an exciting discipline in the sciences, and one that I really enjoy teaching! If you have any questions over the content, email me!

Important Dates:

January 20	MLK, Jr. Day Holiday- No classes
January 21	First day of class
March 10-15	Spring Break – No classes
April 21	Last day to drop with an automatic "W"
April 28	Last day to drop a course or withdraw from the University
April 18	Study Day – No classes
May 5	Last day of classes
May 6	Study Day – No classes
May 7-13	Final exams
The complete acc	ademic calendar is available online: https://www.tamusa.edu/academics/academic-

calendar/index.html



			<u>/E</u> COURSE SCHEDULE			
-	ven <u>face-to-face during clas</u>			· · ·		ther
assignments will be d	lue Sundays by midnight th	-	ard or McGraw Connect SIONS ARE NOT ACCEPTEI		dicated below.	
		LATE SUDIVIIS	JANUARY	<u>.</u>		
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
19	20	21	22	23	24	25
	MLK Day		First Class Day:		Intro to Evolution	
	(Holiday)		Syllabus Overview			
26	27	28	29	30	31	1
	Fossils &		Fossils &		Microevolution	
	Microevolution / HWE		Microevolution			
	Activity					
		-	FEBRUARY			
2	3	4	5	6	7	8
Ch. 20/21 HW &	Macroevolution		Macroevolution		Macroevolution /	
Quiz 1 Due @					Evolution Review	
11:59PM					Sheet	
9	10	11	12	13	14	15
	Taxonomy &		Taxonomy &		Activity / Review	
	Systematics		Systematics			
16	17	18	19	20	21	22
Ch. 22/23/24 HW,	Activity / Review		Exam 1		Introduction to	
Quiz 2, & Evolution					Ecology / Intro to	
Article Review #1					SEEK app. / Kickoff	
Due @ 11:59PM					Tour of TX Project	
23	24	25	26	27	28	1
	Introduction to Ecology		Population Ecology /		Community Ecology	
	/ Intro to SEEK app. /		Intro to Ecological			
	Kickoff Project					

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		Footprint Activity /			
		MARCH	-		
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
3	4	5	6	7	8
Community Ecology		Community Ecology		Ecosystem Ecology	
10	11	12	13	14	15
Spring Break!		Spring Break!		Spring Break!	
17	18	19	20	21	22
Ecosystem Ecology		Ecosystem and		Conservation Biology	
		Conservation Biology /		/ Activity / Review	
		Ecology Review Sheet			
24	25	26	27	28	29
Conservation Biology /		Exam 2		Early Earth /	
Activity / Review				Introduce Portfolio	
				(pick animal phyla)	
	Μ	IARCH / APRIL			
31	1	2	3	4	5
Early Earth / Domains		Domains Bacteria &		Protist Diversity /	
Bacteria & Archaea /		Archaea / Microbe		Microbe Review	
Introduce Portfolio		Review Sheet(s)		Sheet(s)	
(pick animal phyla)					
7	8	9	10	11	12
Protist Diversity /		Protist Diversity /		Mini-Exam 3	
Microbe Review		Activity / Review			
Sheet(s)					
	 3 Community Ecology 10 Spring Break! 17 Ecosystem Ecology 24 Conservation Biology / Activity / Review 31 Early Earth / Domains Bacteria & Archaea / Introduce Portfolio (pick animal phyla) 7 Protist Diversity / Microbe Review 	3 4 Community Ecology 11 10 11 Spring Break! 11 17 18 Ecosystem Ecology 25 Conservation Biology / Activity / Review 25 31 1 Early Earth / Domains Bacteria & Archaea / Introduce Portfolio (pick animal phyla) 1 7 8 Protist Diversity / Microbe Review 8	Human Pop. DynamicsMARCHMONDAYTUESDAYWEDNESDAY345Community Ecology1112101112Spring Break!1819Ecosystem Ecology1819Ecosystem Ecology2526Conservation Biology / Activity / Review2526Example3112Early Earth / Domains Bacteria & Archaea / Introduce Portfolio (pick animal phyla)12789Protist Diversity / Microbe Review89Protist Diversity / Microbe Review89	Human Pop. DynamicsMARCHMONDAYTUESDAYWEDNESDAYTHURSDAY3 Community Ecology45 Community Ecology610 Spring Break!1112 Spring Break!1317 Ecosystem Ecology1819 Ecosystem and Conservation Biology / Ecology Review Sheet2024 Conservation Biology / Activity / Review2526 Exam 227March / APRIL31 Early Earth / Domains Bacteria & Archaea / Introduce Portfolio (pick animal phyla)12 Domains Bacteria & Activity / Review3 107 Protist Diversity / Microbe Review8 Protist Diversity / Activity / Review9 Protist Diversity / Activity / Review10	Human Pop. DynamicsMARCHMONDAYTUESDAYWEDNESDAYTHURSDAYFRIDAY3 Community Ecology45 Community Ecology67 Ecosystem Ecology10 Spring Break!1112 Spring Break!1314 Spring Break!17 Ecosystem Ecology1819 Ecosystem and Conservation Biology / Ecology Review Sheet2021 Conservation Biology / Activity / Review24 Conservation Biology / Activity / Review2526 Exam 22728 Early Earth / Introduce Portfolio (pick animal phyla)31 Early Earth / Domains Bacteria & Archaea / Introduce Portfolio (pick animal phyla)12 Protist Diversity / Activity / Review3 4 Protist Diversity / Activity / Review3 A 47 Protist Diversity / Microbe Review89 Protist Diversity / Activity / Review1011 Mini-Exam 3



Spring 2025 Syllabus

13	14	15	16	17	18	19
CH. 25-28 HW, Quiz	Fungi Diversity /		Fungi & Microbiomes /		No Classes – Study	
5, & Microbial World	Introduce Group		Introduce Group		Day!	
Article Review #3	Presentation		Presentation			
due @ 11:59PM						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
20	21	22	23	24	25	26
	Microbiomes / Plant		Plants (Flipped		Mini-Exam 4	
	Diversity Overview		Lecture?) / Review /			
	(Flipped Lecture?) /		Group Presentation			
	Group Presentation		Workday			
	Workday					
		Δ	PRIL / MAY			
27	28	29	30	1	2	3
Ch. 29/30/31 HW,	Ch. 33 Animal Diversity		Ch. 33 Animal Diversity		Group Presentations	
Quiz 6, & SEEK	<u>Overview</u> / Group		<u>Overview</u> / Group			
Round #2 Due @	Presentation Workday		Presentation Workday			
11:59PM			Presentation due			
			@11:59 PM			
4	5	6	7	8	9	10
Ch. 32/33 HW, Ch.	Group Presentations	Study Day –				
34 HW, Quiz 7, SEEK		No Class!				
Round #3, Plant &	Last day of scheduled					
Animal Article	classes!	*Seek Extra				
Review #4 Due @		Credit Due @				
11:59PM		11:59PM (up				
		to 10)*				
11	12	13	*Please reference the University Final Exam Schedule for the date of			e date of
			your <u>Cumulative Final Exam</u> !*			

IMPORTANT POLICIES AND RESOURCES

Academic Accommodations for Individuals with Disabilities: Texas A&M University-San Antonio is committed to providing all students with reasonable access to learning opportunities and accommodations in accordance with The Americans with Disabilities Act, as amended, and Section 504 of the Rehabilitation Act. If you experience barriers to your education due to a disability or think you may have a disability, Disability Support Services is located in the Central Academic Building, Suite 210. You can also contact us via phone at (210) 784-1335, visit us https://www.tamusa.edu/Disability-Support-Services/index.html or email us at dss@tamusa.edu. Disabilities may include, but are not limited to, attentional, learning, mental health, sensory, physical, or chronic health conditions. All students are encouraged to discuss their disability-related needs with Disability Support Services and their instructors as soon as possible.

<u>Academic Learning Center</u>: The Academic Learning Center provides free course-based tutoring to all currently enrolled students at Texas A&M University-San Antonio. Students wishing to work with a tutor can make appointments through the Brainfuse online tutoring platform. Brainfuse can be accessed in the *Tools* section of Blackboard. You can contact the Academic Learning Center by emailing tutoring@tamusa.edu, calling (210) 784-1307, or visiting the Central Academic Building, room 202.

Counseling/Mental Health Resources: As a college student, there may be times when personal stressors interfere with your academic performance and negatively impact your daily functioning. If you are experiencing emotional difficulties or mental health concerns, support is available to you through the Student Counseling Center (SCC). To schedule an appointment, call 210-784-1331 or visit Madla 120.

All mental health services provided by the SCC are free and confidential (as the law allows). The Student Counseling Center provides brief individual and group therapy, crisis intervention, consultation, case management, and prevention services. For more information on SCC services visit tamusa.edu/studentcounseling

Crisis support is available 24/7 by calling the SCC at 210-784-1331 (after-hours select option '2').

Additionally, the TELUS Student Support App provides a variety of mental health resources to including support for in the moment distress, an anonymous peer to peer support network, mental health screenings, podcasts, and articles to improve your mental wellbeing.



Emergency Preparedness: JagE Alert is Texas A&M University-San Antonio's mass notification. In the event of an emergency, such as inclement weather, students, staff and faculty, who are registered, will have the option to receive a text message, email with instructions and updates. To register or update your information visit: https://tamusa.bbcportal.com/.



More information about Emergency Operations Plan and the Emergency Action Plan can be found here: https://www.tamusa.edu/about-us/emergency-management/.

Download the SafeZone App (https://safezoneapp.com/) for emergencies or call (210) 784-1911. Non-Emergency (210) 784-1900.

Financial Aid and Verification of Attendance: According to the following federal regulation, 34 CFR 668.21: U.S. Department of Education (DoE) Title IV regulation, a student can only receive Title IV funds based on Title IV eligibility criteria which include class attendance. If Title IV funds are disbursed to ineligible students (including students who fail to begin attendance), the institution must return these funds to the U.S. DoE within 30 days of becoming aware that the student will not or has not begun attendance. Any student receiving federal financial aid who does not attend by the census date will have their financial aid terminated and returned to the DoE. Please note that any student who stops attending at any time during the semester, a Care report will be submitted, and you will possibly be dropped from the class. Your financial aid may have to be recalculated and a portion of your federal aid may have to be returned to the DoE.

Writing, Language, and Digital Composing Center: The Writing, Language, and Digital Composing Center supports graduate and undergraduate students in all three colleges as well as faculty and staff. Tutors work with students to develop reading skills, prepare oral presentations, and plan, draft, and revise their written assignments. Our language tutors support students enrolled in Spanish courses and students composing in Spanish for any assignment. Our digital studio tutors support students working on digital projects such as eportfolios, class presentations, or other digital multimedia projects. Students can schedule appointments through JagWire under the Student Services tab. Click on "Writing, Language, and Digital Composing Center" to make your appointment. The Center offers face-to-face, synchronous online, and asynchronous digital appointments. More information about what services we offer, how to make an appointment, and how to access your appointment can be found on our website at https://www.tamusa.edu/academics/.

<u>Meeting Basic Needs</u>: Any student who has difficulty affording groceries or accessing sufficient food to eat every day or who lacks a safe and stable place to live, and believes this may affect their performance in the course, is urged to submit a CARE referral (https://www.tamusa.edu/university-policies/Student-Rights-and-Responsibilities/file-a-report.html) for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable them to direct you to available resources.

<u>Military Affairs</u>: Veterans and active-duty military personnel are welcomed and encouraged to visit the Office of Military Affairs for any question involving federal or state VA Education Benefits. Visit the Patriots' Casa building, room 202, or to contact the Office of Military Affairs with any questions at military.va@tamusa.edu or (210)784-1397.

<u>Religious Observances</u>: Texas A&M University-San Antonio recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and

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staff to observe religious holidays according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or course work requirements that may be missed due to a religious observance provided they notify their instructors before the end of the second week of classes for regular session classes.

The Six-Drop Rule: Students are subject to the requirements of Senate Bill (SB) 1231 passed by the Texas Legislature in 2007. SB 1231 limits students to a maximum of six (6) non-punitive course drops (i.e., courses a student chooses to drop) during their undergraduate careers. A non-punitive drop does not affect the student's GPA. However, course drops that exceed the maximum allowed by SB 1231 will be treated as "F" grades and will impact the student's GPA.

Statement of Harassment and Discrimination: Texas A&M University-San Antonio is committed to the fundamental principles of academic freedom, equal opportunity, and human dignity. To fulfill its multiple missions as an institution of higher learning, A&M-San Antonio encourages a climate that values and nurtures collegiality and the uniqueness of the individual within our state, nation, and world. All decisions and actions involving students and employees should be based on applicable law and individual merit. Texas A&M University-San Antonio, in accordance with applicable federal and state law, prohibits discrimination, including harassment, on the basis of race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation, gender identity, gender expression, or pregnancy/parenting status. Individuals who believe they have experienced harassment or discrimination prohibited by this statement are encouraged to contact the appropriate offices within their respective units. Texas A&M University-San Antonio faculty are committed to providing a safe learning environment for all students and for the university as a whole. If you have experienced any form of sex- or gender-based discrimination or harassment, including sexual assault, sexual harassment, domestic or dating violence, or stalking, know that help and support are available. A&M-San Antonio's Title IX Coordinator can support those impacted by such conduct in navigating campus life, accessing health and counseling services, providing academic and housing accommodations, and more. The university strongly encourages all students to report any such incidents to the Title IX Coordinator. Please be aware that all A&M-San Antonio employees (other than those designated as confidential resources such as counselors and trained victim advocates) are required to report information about such discrimination and harassment to the university. This means that if you tell a faculty member about a situation of sexual harassment, sexual violence, or other related misconduct, the faculty member must share that information with the university's Title IX Coordinator (titleix@tamusa.edu, 210-784-2061, CAB 439K). If you wish to speak to a confidential employee who does not have this reporting requirement, you can contact the Student Counseling Center at (210) 784-1331 or visit them in Madla 120.

Pregnant/Parenting Students: Texas A&M-San Antonio does not require a pregnant or parenting student, solely because of that status or issues related to that status, to (1) take a leave of absence or withdraw from their degree or certificate program; (2) limit the student's studies; (3) participate in an alternative program; (4) change the student's major, degree, or certificate program; or (5) refrain from joining or cease participating in any course, activity, or program at the University. The university will provide such reasonable accommodations to pregnant students as would be provided to a student with a temporary medical condition that are related to the health and safety of the student and the student's

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unborn child. These could include maintaining a safe distance from substances, areas, and activities known to be hazardous to pregnant individuals and their unborn child; excused absences because of illness or medical appointments; modified due dates for assignments; rescheduled tests/exams; taking a leave of absence; and being provided access to instructional materials and video recordings of lectures for excused absences, if these would be provided to any other student with an excused absence. Pregnant/parenting students are encouraged to contact the Title IX Coordinator with any questions or concerns related to their status (titleix@tamusa.edu; 210-784-2061; CAB 439K).

Texas A&M-San Antonio has also designated the Title IX Coordinator as the liaison officer for current or incoming students who are the parent or guardian of a child younger than 18 years of age. The Title IX Coordinator can provide students with information regarding support services and other resources.

<u>Students' Rights and Responsibilities:</u> The following statement of students' rights and responsibilities is intended to reflect the philosophical base upon which University Student Rules are built. This philosophy acknowledges the existence of both rights and responsibilities, which is inherent to an individual not only as a student at Texas A&M University-San Antonio but also as a citizen of this country.

Students' Rights

- A student shall have the right to participate in a free exchange of ideas, and there shall be no University rule or administrative rule that in any way abridges the rights of freedom of speech, expression, petition and peaceful assembly as set forth in the U.S. Constitution.
- 2. Each student shall have the right to participate in all areas and activities of the University, free from any form of discrimination, including harassment, on the basis of race, color, national or ethnic origin, religion, sex, disability, age, sexual orientation, gender identity, gender expression, and pregnancy/parenting or veteran status in accordance with applicable federal and state laws.
- 3. A student has the right to personal privacy except as otherwise provided by law, and this will be observed by students and University authorities alike.
- 4. Each student subject to disciplinary action arising from violations of university student rules shall be assured a fundamentally fair process.

Students' Responsibilities

- 1. A student has the responsibility to respect the rights and property of others, including other students, the faculty, and administration.
- 2. A student has the responsibility to be fully acquainted with the published University Student Rules found in the Student Handbook, Student Code of Conduct, on our website, and University Catalog, and to comply with them, as well as with federal, state, and local laws.
- 3. A student has the responsibility to recognize that student actions reflect upon the individuals involved and upon the entire University community.

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- 4. A student has the responsibility to recognize the University's obligation to provide a safe environment for learning.
- 5. A student has the responsibility to check their university email for any updates or official university notifications.

We expect that students will behave in a manner that is dignified, respectful, and courteous to all people, regardless of sex, ethnic/racial origin, religious background, sexual orientation, or disability. Conduct that infringes on the rights of another individual will not be tolerated.

Students are expected to exhibit a high level of honesty and integrity in their pursuit of higher education. Students engaging in an act that violates the standards of academic integrity will find themselves facing academic and/or disciplinary sanctions. Academic misconduct is any act, or attempt, which gives an unfair advantage to the student. Additionally, any behavior specifically prohibited by a faculty member in the course syllabus or class discussion may be considered as academic misconduct. For more information on academic misconduct policies and procedures please review the Student Code of Conduct

(https://www.tamusa.edu/university-policies/student-rights-and-

responsibilities/documents/Student-Handbook-2022-23.pdf) or visit the resources available in the OSRR website (https://www.tamusa.edu/university-policies/student-rights-and-responsibilities/academic-integrity.html).