Environmental Science (BIOL 1132)

Asynchronous
Canvas/McGraw-Hill Connect

Instructor Information

Dr. Jason R. Bohenek (first half)
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Office Hours: Wed/Thurs 10:00-11:00 am (or by appointment)

Dr. Jaime E. Jiménez (second half)
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Office Hours: Wed/Thurs 10:00-11:00 am (or by appointment)

Course Description and Structure

This section of BIOL 1132 is an introductory Environmental Science course for non-majors that is entirely asynchronous through Canvas & McGraw-Hill Connect. You will learn about natural and anthropogenic environmental processes, major environmental challenges, and potential solutions. Environmental Science is inherently multidisciplinary, thereby this course covers biological, ecological, social, political, and technological topics.

Course Objectives

By the end of this course, students will be able to:

- Demonstrate an understanding of matter and energy flow in environmental systems.
- Explain the necessity of the interdisciplinary nature of the field of environmental science.
- Apply knowledge of environmental interrelationships to analyze real-world environmental problems.
- Propose solutions to environmental challenges based on ethical and economic considerations.
- Consider the societal responsibility in achieving sustainable environmental practices.

Required Materials

Texts:

- Enger, Eldon D., and Bradley F. Smith. Environmental Science 16th Edition. New York, McGraw-Hill, 2022. (With McGraw Hill Connect Access Card!)
- BIOL 1132 Laboratory Manual by Dr. Jaime Baxter-Slye (for separately scheduled lab)

Course Schedule

Week	*Date*	*Topic*	*Exams*	*Exam Due Date*	*% Grade*	*Mode*
Week 1	1/15/2024	*Chp 1: Env Interrelationships*				
Week 2	1/22/2024	*Chp 2/3: Env Ethics & Economics*				
Week 3	1/29/2024	*Chp 4: Matter, Energy, Env*				
Week 4	2/5/2024	*Chp 5: Env and Organisms*	*Exam 1*	*2/12 Midnight*	*10%*	*Canvas*
Week 5	2/12/2024	*Chp 15: Water Management*				
Week 6	2/19/2024	*Chp 6: Ecosystems and Communities*				
Week 7	2/26/2024	*Chp 7: Populations*				
Week 8	3/4/2024	*Chp 12: Land Use*	*Exam 2*	*3/11 Midnight*	*10%*	*Canvas*
Week 9	3/11/2024	*NO CLASS – SPRING BREAK*				
Week 10	3/18/2024	*Chp 13: Soils and Its Uses*				
Week 11	3/25/2024	*Chp 14: Agricultural Methods & Pest Mgnt*				
Week 12	4/1/2024	*Chp 11: Biodiversity*	*Exam 3*	*4/8 Midnight*	*10%*	*Canvas*
Week 13	4/8/2024	*Chp 17: Climate Change*				
Week 14	4/15/2024	*Chp 9: Non-renewable Energy*				
Week 15	4/22/2024	*Chp 10: Renewable Energy*				
Week 16	4/29/2024	*Chp 16/18: Air Quality and Waste Mgnt*	*Exam 4*	*5/9 Midnight*	*10%*	*Canvas*

Students will be notified by Eagle Alert if there is a campus closing; please review the Emergency Notifications and Procedures Policy (PDF): (https://policy.unt.edu/sites/default/files/06.049_Standard%20Syllabus%20Policy%20Statements_supplement.pdf).

Attendance and Participation

This course is asynchronous, thus there is no attendance, but you must complete the online assignments as scheduled.

Assessing Your Work

Grades will be based on performance in 4 open-book exams (40%), weekly open-book online assignments (15%), weekly open-book quizzes (15%), and lab (30%). All graded material will be posted online with instructions and due dates. Your lowest exam score and 4 lowest quizzes scores will be dropped. Exams will be available for five days. All material, including exams, will be due on the *following* **Monday at midnight** of the week assigned. The open-book final exam (non-cumulative) will be scheduled separately. If needed, grades will be curved, but grades will not be rounded, and no extra points will be distributed.

Grade	% Score	Description
A	90–100	High effort, high mastery
B	80–89	
C	70–79	
D	60–69	
F	< 60	Low effort, low mastery

Assignment	% Grade
Exams	40%
Online assignments	15%
Quizzes	15%
Lab	30%
Total	**100%**

Please review the Academic Integrity Policy: (https://policy.unt.edu/sites/default/files/06.049_Standard%20Syllabus%20Policy%20Statements_supplement.pdf).

Late Assignment Policy

Assignments are due at midnight of their respective deadlines. Late assignments will not be accepted unless a valid medical excuse is provided.

Evaluations

SPOT evaluations link will be sent out when it becomes available. If >80% of students respond, we will add a 3-point bonus to everyone's **final** grade.

Supporting Your Success and Creating an Inclusive Learning Environment

Every student in this class has the right to learn and engage within an environment of respect and courtesy from others. We encourage you to review UNT's student code of conduct so that we share a civil understanding (Code of Student Conduct; https://deanofstudents.unt.edu/conduct). Please always feel free to reach out to us concerning any issues you may experience while taking this class. Other useful information: Student Support Services & Policies | Center for Learning Experimentation, Application, and Research (unt.edu)

ADA accommodation statement:

The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking reasonable accommodation must first register with the Office of Disability Access (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with a reasonable accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request reasonable accommodations at any time; however, ODA notices of reasonable accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of reasonable accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of reasonable accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information, refer to the Office of Disability Access website (http://www.unt.edu/oda). You may also contact ODA by phone at (940) 565-4323.