

CGS Biology 190 Introduction to Environmental Science
University of Wisconsin – Milwaukee at Waukesha, Summer 2024

Instructor: Dr. Lou Pech
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Class Time: Course is fully online via CANVAS
Texts: There is no required text for this class. All readings are available on CANVAS

Course CANVAS Page: <https://uwmil.instructure.com/courses/672741>

COURSE CATALOG DESCRIPTION

The principles underlying the proper management of our resources –water, soils, forests, wildlife and human. The current and past attitudes relating to resources with the interaction and complexities of humans’ interests. This meets the statutory requirement for Conservation of Natural Resources required for State certification for teachers of science and social sciences. Lecture and may also include demonstrations, discussion and field trips. *NS*

EVALUATION OF STUDENT WORK

- Quizzes (40 points):** There will be four 10-point quizzes covering Online Readings. Dates and topics for each quiz can be found in the lecture schedule below.
- Assignments (100 points total):** Every other day, you will complete online assignments which will be submitted on CANVAS. These assignments will be linked to online readings and are intended to improve your problem solving and critical thinking skills.

SUMMARY OF GRADED ACTIVITIES & GRADING SCALE

<u>Graded Activity</u>	<u>Points</u>	<u>Grading Scale</u>	
Quizzes	40	≥92% = A	72-77% = C
Assignments	100	90-91% = A–	70-71% = C–
Total	140	88-89% = B+	68-69% = D+
		82-87% = B	62-67% = D
		80-81% = B–	60-61% = D–
		78-79% = C+	<60 % = F

COURSE EXPECTATIONS & UWM POLICIES

- Workload Policy:** Since this is a 3-credit class, the expected time commitment for an *average* student is 144 hours for the semester. Since this is a 3-week course, that would amount to 48 hours/week, which is unreasonable. With that in mind, assignments, readings and quizzes are designed so that most students can complete them in about 20 hours/week.
- UW-Milwaukee Policies** that you should be aware of can be found at <http://uwm.edu/secu/syllabus-links/>, including:
 - Students with disabilities
 - Religious observance
 - Students called to active military duty
 - Incompletes
 - Discriminatory conduct
 - Sexual Violence/Title IX Coordinator
 - Academic misconduct
 - Complaint procedures
 - Grade appeal procedures
 - LGBT+ resources
 - Smoke and Tobacco-Free campus
 - Final Examinations

CLASS SCHEDULE**Module 1: Environmental Philosophy, Matter, Energy & Life**

May 28 Online Reading: Environmental Philosophy, Matter, Energy & Life
 Online Reading: The Natural Step Planning Process & the Four System Conditions
 May 29 Online Assignment 1: My Environmental Worldview; **Due at 11:59PM**

Module 2: Principles of Ecology

May 30 Online Reading: Principles of Ecology
 May 31 Online Assignment 2: Controlling an Urban Deer Herd; **Due at 11:59PM**

Module 3: Biodiversity & Conservation Biology

June 1 Online Reading: Biodiversity & Conservation Biology
 Online Quiz 1 on Modules 1 & 2; **Due at 11:59PM**
 June 2 Online Assignment 3: An Ecosystem Service & Me-What I Want to Conserve; **Due at 11:59PM**

Module 4: Human Ecology-Ecological Footprinting, Food & Hunger

June 3 Online Reading: Human Ecology-The Human Ecological Footprint
 Online Reading: Human Ecology-Food & Hunger
 June 4 Online Assignment 4: My Ecological Footprint; **Due at 11:59PM**

Module 5: Human Ecology-Agriculture & Urbanization

June 5 Online Reading: Human Ecology-Agriculture
 Online Reading: Human Ecology-Urbanization
 Online Quiz 2 on Modules 3 & 4; **Due at 11:59PM**
 June 6 Online Assignment 5: Farming & The Four System Conditions; **Due at 11:59PM**

Module 6: Environmental Health & Waste Management

June 7 Online Reading: Environmental Health & Toxicology
 Online Reading: Waste Management
 June 8 Online Assignment 6: Thinking Critically About Garbage; **Due at 11:59PM**

Module 7: Water

June 9 Online Reading: Water & Water Pollution
 Online Quiz 3 on Modules 5 & 6; **Due at 11:59PM**
 June 10 Online Assignment 7: Water & The Four System Conditions; **Due at 11:59PM**

Module 8: Air

June 11 Online Reading: Air & Air Pollution
 June 12 Online Assignment 8: Air & The Four System Conditions; **Due at 11:59PM**

Module 9: Energy & Climate Change

June 13 Online Reading: Climate Change
 Online Reading: Energy
 Online Quiz 4 on Modules 7 & 8; **Due at 11:59PM**
 June 14 Online Assignment 9: Energy & The Four System Conditions; **Due at 11:59PM**

Module 10: Class Wrap-up

June 15 Online Assignment 10: My Greatest Environmental Threat & What to Do About It; **Due at 11:59PM**