Winter 2021-2022

Department of Environmental Science

Environmental Sustainability (ENV-1100)
Asynchronous and Virtual Syllabus

Dec. 13, 2021-Jan. 21, 2022
Module 1: Dec.13-31; Module 2: Jan.1-21

Lecture and Lab Instructor: Dr. Marty Becker (beckerm2@wpunj.edu)

Office Hours: Contact me via email

Textbook: Environmental Science, 15th Ed. By: Miller and Spoolman. Cengage.

*The 13th and 14th editions are acceptable--Similar chapters and less expensive.
Available online from multiple vendors.

Course Overview: This course is designed to introduce students to the fundamental concepts of Environmental Science. Throughout the semester, lecture and lab materials will build upon concepts in Ecology, Biodiversity, Population Dynamics, Evolution, Extinction, and Resources that are essential to understanding both the natural environment and the impact humans have on natural systems.

Your Responsibility as a Student: Complete all lab exercises and exams on time within the two modules. No late exams or lab exercises. Makeups are not allowed!

Lectures, Labs, Practice Quizzes and Exams: The complete lecture, lab, practice quiz and exam series are posted online and are available via Blackboard. Please familiarize yourself with Blackboard if you have not done so already.

Exams and Lab Exercises: You will be given a midterm and final exam in this course. The two exams will consist of multiple-choice and true or false questions. No early or make-up exams are permitted. Lab exercises will reinforce lecture topics and help you prepare for the lecture exams. Since we will not have access to the laboratory, lab assignments will be based around online resources, short videos, and other open-access materials science topics. The four labs I will collecting will be checked for completion of answers and effort. ***You will be notified at the end of Module 1 and Module 2 (Dec. 31/Jan. 21) which labs I would like you to turn in via e-mail attachment for evaluation*. *Please carefully complete all lab exercises*.

I will be e-mailing you an answer key after the midterm and final exam have taken place so that you can determine your grade. Please keep a copy of the exams and answer keys you submit so you can check your work and determine your grade. ***Do not send me e-mails asking what you scored on these exams. Check your work and determine your score.

Grades on the lab exercises will be sent directly to you via e-mail after completion of each module. ***If you answer all the questions completely and carefully on the lab exercises, you will receive full credit for each.***

Practice Quizzes: I have also posted a list of practice quizzes that are directly related to the individual textbook chapters, lectures and labs you have been assigned on given dates. You are encouraged to take the practice quizzes before the two exams. Check you work on the practice quizzes based on textbook chapters, lectures and labs. *** I will not be providing answer keys to the quizzes. The questions are straightforward and come directly from the class materials.

**Your grade in this course is the average of the midterm and final exams and completion of four randomly collected laboratory exercises. Both exams are worth 100 points and the four laboratory exercises worth 25 points each for a total of 100 points. Letter grades are assigned based on the scale below.

Final Grade Breakdown:
4 Lab Exercises: 20% (randomly collected-see schedule below)
Midterm Exam: 40%
Final Exam: 40%

Grading:

A	91 and above	C+	75-78
A-	89-90	C	71-74
B+	85-88	C-	69-70
B	81-84	D	60-68
B-	79-80	F	59 and below

Additional Information:

1) **Academic fraud/cheating will not be accepted! Do your own work!**

   If you are caught cheating, you will receive an F for the course. Aiding another student is also a violation of the Student Academic Integrity Policy and will also invoke an F.

2) Modifications to the individual topics and schedule on this syllabus will take place when necessary. You will be notified in advance. Please check your WPU email and account frequently. Your work schedule should not conflict with scheduled course time.

3) If you need help, email me with any questions.

Best wishes for a great winter semester!

Dr. Becker

Asynchronous Virtual Schedule: Lectures, Lab Exercises, Quizzes and Exams

Date	
Weeks 1-3: Dec. 13-31	***PowerPoint Lecture Series-1-7*** 1) Science Review 2) Ecosystems 3) Biodiversity and Evolution 4) Species and Population 5) Biodiversity and Climate 6) Ecology and Sustainability 7) Humans and Sustainability **Please also read textbook chapters that correspond to the selected topics in this PowerPoint Lecture Series
Practice Quizzes	***Take Practice Quizzes 1-5*** **Each quiz corresponds to the PowerPoint Lecture Series and textbook reading
Lab Exercises	***Complete Lab Exercises 1-6*** **I will collect two of these labs randomly on Dec. 31 via e-mail attachment. Please complete all 6 lab exercises following instructions.
Midterm Exam	Dec. 30-31 (Available 12AM-5PM via Blackboard)
Weeks 3-6: 9/30-10/6	***PowerPoint Lecture Series-8-14*** 8) Sustaining Ecosystems 9) Invasive Species 10) Basic Geologic Hazards 11) Water Resources 12) Water Pollution 13) Solid Waste 14) Energy and Resources **Please also read textbook chapters that correspond to the selected topics in PowerPoint Lecture Series
Practice Quizzes	***Take Practice Quizzes 6-10*** **Each quiz corresponds to PowerPoint Lecture Series and textbook reading
Lab Exercises	***Complete Lab Exercises 7-11*** **I will collect two of these labs randomly on Jan. 21 via e-mail attachment. Please complete all 5 lab exercises following instructions.
Final Exam	Jan. 20-21 (Available 12AM-5PM via Blackboard)