

# Environmental Science 1110G

Fall 2021

**Instructor:** Dr. Blair Stringam

Office Hrs: MWF 10:30 to 12:00 or by appointment

Skeen Hall Room N330

(575)646-7665

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## **Course Description:**

ES 1110G will introduce you to the scientific study of how humans impact the environment and how the environment impacts humans. About half of the course focuses on mechanisms operating at multiple scales, including connections, cycles, and feedback loops of environmental systems. These deal with how things work, such as chemical principles, food webs, and the carbon cycle. The other half of the course deals with environmental phenomena and the search for solutions. It deals with topics like human population growth, agriculture and the future of food supply, toxicology, waste management, and human use of the oceans, forests, fossil fuels, and creating “livable cities.”

## **Textbook:**

The required textbook is *Essential Environment: The Science Behind the Stories* 6<sup>th</sup> edition by and J. Withgott and M. Laposata © 2018 by Pearson Edu., Inc. San Francisco.

## **Lab Description:**

The ES 110G lab is required for this course. The instructors are Cheyenne Stice and Hana Hernandez. There are three lab sections. The labs consist of experiments, demonstrations, team projects, and field trips to illustrate the concepts of Environmental Science.

## **Learning Objectives:**

The goal of the course is to give a broad exposure of the scientific and social aspects of environmental science. We will use the scientific method (including the multiple working hypothesis method) to critically analyze cause-and-effect relationships.



Quiz September 17 <sup>th</sup>	25 pts
Quiz September 24 <sup>th</sup>	25 pts
Quiz October 1 <sup>st</sup>	25 pts
Quiz October 8 <sup>th</sup>	25 pts
Quiz October 15 <sup>th</sup>	25 pts
Quiz October 22 <sup>nd</sup>	25 pts
Quiz October 29 <sup>th</sup>	25 pts
Quiz November 5 <sup>th</sup>	25 pts
Quiz November 12 <sup>th</sup>	25 pts
Quiz November 19 <sup>th</sup>	25 pts
<u>Quiz December 3<sup>rd</sup></u>	<u>25 pts</u>
<b>Drop the 2 lowest quizzes</b>	<b>300 pts total</b>
<b>Final Exam</b>	<b>100 pts</b>

***Grading:***

Lecture Grades

Lecture grades will be based on the course work, quizzes, water arguments and extra credit work. The final exam is a comprehensive exam given during final exam week. Lecture grade is worth 75% of the total grade. (300 pts for quizzes, 50pts water arguments, 60pts assignments, 100 pts final exam)

**Lab Grades**

The lab is worth 25% of your grade. Quizzes will be given at the beginning of every lab over the material from the previous week, as well as questions taken from the Pre-lab resource section of the upcoming lab. A total of 500 points can be earned in the lab:

10 quizzes worth 10 points each = 100 points

12 lab reports worth 30 points each = 360 points

Final group presentation worth 40

## Overall Class Grade

The overall class grade will be based on both the lecture and lab grades. Letter grades will be based on the following scale.

A = 90-100%           (90-94 = A and 95-100 = A+)

B = 80-89%           (80-84 = B and 85-89 = B+)

C = 70-79%           (70-74 = C and 75-79 = C+)

D = 60-69%           (60-64 = D and 65-69 = D+)

F = 0-59%

### ***Attendance:***

Students are expected to attend and participate in class and labs. The exams will be based on lecture material and the homework will involve classroom activities.

### ***Late work, Make-up Policy, Withdrawals, Incompletes, and ADA Statement:***

Late homework assignments lose 5% per day. All quizzes must be taken at the date and time indicated on this syllabus. No make-up quizzes will be given except for reasons accepted under university policy, which includes illness or family crisis. A note from your physician is required. University policies, as stated in the fall schedule of classes, indicate that withdrawals are the responsibility of the student. Students who do not officially withdraw from a course and fail to attend class may receive a failing grade. Incomplete grades may only be given if the student has passed the first half of the course and is unable to complete the course because of documented illness or family crisis. Other information dealing with the Code of Conduct is contained in the Student Handbook.

**For information on Discrimination & Disability Accommodation, Academic Misconduct, Important Dates and Student Support Services use the following address.**

<https://provost.nmsu.edu/faculty-and-staff-resources/syllabus/policies.html>

### **Other NMSU Resources:**

NMSU Police Department:   (575) 646-3311       [www.nmsupolice.com](http://www.nmsupolice.com) (Links to an external site.)  
NMSU Police Victim Services:                   (575) 646-3424

NMSU Counseling Center: (575) 646-2731  
NMSU Dean of Students: (575) 646-1722  
For Any On-campus  
Emergencies: 911