

**LOS ANGELES MISSION COLLEGE**  
**THE HUMAN ENVIRONMENT: BIOLOGICAL PROCESSES - ENV SCI 2**  
**Fall 2020 (September 21 – December 20, 2020)**

Lecture: Wednesday (asynchronous) & Friday (Synchronous): 9:35-11:40 am

Section #29211

Instructor: Dr. Par Mohammadian

Office Hours: Friday, 11:35 am – 12:00 pm & by appointment

Contact information: [mohammp@lamission.edu](mailto:mohammp@lamission.edu)

<https://ilearn.laccd.edu/login/canvas> includes additional LAMC resources available to you

**Course description:** Environmental Studies Introduces students to the biological aspects of our environmental systems. Study focuses on our large-scale systems including populations and ecosystems and small-scale issues such as nutrition and toxicity. Global population will be examined through the lens of population dynamics and carrying capacity.

**Last date to enroll with a permission number:** 10/06/2020; **Last date to drop this class without a "W":** 10/06/2020; **Last date to drop with a "W":** 11/28/2020.

### **RECOMMENDED MATERIALS:**

**Materials:** This course does not require a textbook required. Lecture notes, links to videos and pertinent websites, and articles are available on Canvas for each chapter. For your projects and assignments, you may borrow journals or books from the [library](http://www.lamission.edu/Library/Home.aspx) (<http://www.lamission.edu/Library/Home.aspx>) or acquire them online. LAMC login and password are required. Some useful links are TedTalks, CA Science Center website, and EPA website.

### **STUDENT LEARNING OUTCOMES:**

1. Students will be able to analyze the relationships between ecosystems, populations, and pollutants.
2. Students will be able to explain the scientific evidence underlying environmental and resource problems and relate them to their political, social, and historical context.

### **CHEATING & PLAGIARISM**

Cheating and plagiarism in any form will result in an automatic F and dismissal from the course. Definition of cheating and plagiarism: <https://academicprograms.calpoly.edu/content/academicpolicies/Cheating>. Plagiarized submissions will not receive any points and may be reported to the college administration for further action as specified in the college catalog.

### **STUDENTS WITH DISABILITIES**

Students with disabilities are encouraged to contact [Disabled Student Programs & Services \(DSPS\)](https://www.lamission.edu/DSPS/Home.aspx) to find out what services and accommodations are available. <https://www.lamission.edu/DSPS/Home.aspx>

### **ATTENDANCE**

Being present in the class and interacting with the instructor and peers will provide a great opportunity for you to learn the material better and retain the information much longer. In case of an emergency or any other pertinent issues that prevent you from attending the class, please email me within 24 hours. Also please make sure that you complete the assignments before the due dates even if you are absent. Further, stop attending the class does not mean that you are automatically dropped. It is your responsibility to officially withdraw from the class if you decide to do so.

### **EVALUATION AND GRADING**

**Chapter quizzes (220 points):** There will be 11 chapter quizzes each worth 20 points. The quizzes will evaluate

your knowledge on the chapter content. The due dates are posted on Canvas. Missing a quiz may result in zero points. Late submissions are not accepted.

**Chapter assignments (330 points):** There will be 13 chapter assignments each worth 30 points. Chapters 2 and 7 both have two assignments. For each assignment you are required to reflect on the content and answer vocabulary and critical thinking questions in your own words (assignment submissions are checked for plagiarism). The due dates are posted on Canvas. Late submissions or missing an assignment may result in zero points.

**Participation (60 points):** You are required to attend all class sessions and participate in the class discussions and assignments. Failure to do so will affect your participation points. A total of 60 points can be collected through the participation and appropriate discussion in the class on zoom.

**Projects (300 points):** Three projects worth 300 points are to be completed throughout the semester. The requirements and expectations for these projects are described in Canvas. You may be asked to present one or more of your projects during the class. Plan accordingly! Late submissions or missing a project may result in zero points. Projects will be checked for plagiarism.

**Homework (30 points):** There will three homework assignments worth a total of 30 points. The links to the homework are posted on Canvas. Late submissions or missing the homework may result in zero points. Homework assignments will be checked for plagiarism.

### EVALUATION AND GRADING:

- 11x Chapter quizzes                      11 x 20 = 220 points
- 13x assignments (Ch 1 & 7 x2)      13 x 30 = 390 points
- Participation                                1 x 60 = 60 points
- 3x Projects                                    3 x 100 = 300 points
- Homework                                    30 points
- o Total                                        = 1000 points

### Grading Scale:

A: 90-100% (900-1000 points)

B: 80-89% (800-899 points)

C: 70-79% (700-799)

D: 60-69% (600-699 points)

F: <60% (<600 points)

### WEEKLY COURSE OUTLINE:

	Lecture topics	Reading	Due dates: Quizzes & reports (see Canvas)
Week 1 Wednesday 9/23	Introduction to Syllabus, Canvas, & course material		
Friday 9/25	Ch 1: Introduction to Environmental Sciences	Ch 1 lecture notes	Begin Project #1
Week 2 Wednesday 9/30	Ch 1: Introduction to Environmental Sciences	Ch 1 assignments	
Friday 10/2	Ch 2 Energy & Matter	Ch 2 lecture notes	
Week 3 Wednesday 10/7	Ch 2 Energy & Matter	Ch 2 assignments	
Friday	Ch 3: Evolution & Biodiversity &	Ch 3 lecture notes	

10/9	Ecosystems		
<i>Week 4</i> Wednesday 10/14	Ch 3: Evolution & Biodiversity & Ecosystems	Ch 3 assignments	
Friday 10/16	Ch 4: Human population & Demographics	Ch 4 lecture notes	Begin Project #2
<i>Week 5</i> Wednesday 10/21	Ch 4: Human population & Demographics	Ch 4 assignments	
Friday 10/23	Ch 5: Agriculture & Soil & Food	Ch 5 lecture notes <i>Speaker</i>	
<i>Week 6</i> Wednesday 10/28	Ch 5: Agriculture & Soil & Food	Ch 5 assignments	
Friday 10/30	Ch 6: Environmental Health & Toxicology	Ch 6 lecture notes	
<i>Week 7</i> Wednesday 11/4	Ch 6: Environmental Health & Toxicology	Ch 6 assignments	
Friday 11/6	Ch 7: Atmosphere, Air & Pollution Control	Ch 7 lecture notes	
<i>Week 8</i> Wednesday 11/11	<i>Veterans Day – No class</i>		
Friday 11/13	Ch 7: Atmosphere, Air & Pollution Control	Ch 7 assignments	
<i>Week 9</i> Wednesday 11/18	Ch 8: Global Climate Change		
Friday 11/20	Ch 8: Global Climate Change	Ch 8 lecture notes	Begin Project #3
<i>Week 10</i> Wednesday 11/25	<i>LAUSD Thanksgiving Holiday</i>	Ch 8 assignments	
Friday 11/27	<i>Thanksgiving Holiday</i>		
<i>Week 11</i> Wednesday 12/2	Ch 9: Nonrenewable energy	Ch 9 lecture notes	
Friday 12/4	Ch 9: Nonrenewable energy <i>Presentations of selected projects</i>	Ch 9 assignments	
<i>Week 12</i> Wednesday 12/9	Ch 10: Renewable energy	Ch 10 lecture notes	
Friday 12/11	Ch 10: Renewable energy <i>Presentations of selected projects</i>	Ch 10 assignments	
<i>Week 13</i> Wednesday 12/17	Ch 11: Waste Management	Ch 11 lecture notes	
Friday 12/19	Ch 11: Waste Management <i>Presentations of selected projects</i>	Ch 11 assignments	

## **Code of Honor and Integrity**

### Department of Life Sciences

Students at Los Angeles Mission College, because they are members of an academic community dedicated to the achievement of excellence and the pursuit of honor, are expected to meet high standards of personal, ethical, and moral conduct. These standards require personal integrity and a commitment to honesty without compromise. Without the ability to trust in these principles, an academic community and a civil society cannot exist. Los Angeles Mission College students and faculty are as committed to the development of students with honesty and integrity as they are to the academic and professional success of its students. The **Code of Honor and Integrity** is an undertaking of the students, first and foremost, both individually and collectively, that they will:

*By enrolling in this course, you commit to integrity in all aspects of your work, whether quiz, exam or other assignment. Unless your instructor explicitly states otherwise, the work you submit should be your own and convey what you yourself have actually learned. This also means that you agree to follow the Standards of Student Conduct from the college catalog and will not engage in: copying another's work; allowing someone else's work to be submitted as if it was your own; using resources the instructor does not allow during assessments; submitting material without properly citing sources; or self-plagiarism, including submitting work completed for a previous attempt or another course. Evidence of breaking this commitment will result in serious consequences and formal documentation of the incident. If you are unsure if an act constitutes plagiarism or any other violation of academic integrity, be sure to ask your instructor or librarian for clarification.*