



354463: PRINCIPLES OF SUSTAINABILITY I: INTRODUCTION ENVIRON-X 400

Summer 2017 Section 1 4 Credits 06/26/2017 to 09/17/2017 Modified 06/23/2017

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DESCRIPTION

This introductory survey lays the foundation for the study of global sustainability. With universal principles as a broad framework, the course provides a basic understanding of environmental systems and the interrelationship and effect of humans upon the environment. Topics include a historical overview of sustainability and the current problems and issues, an overview of earth's physical and biological systems and the impact of environmental issues like climate change on these systems, an examination of environmental and urban issues and strategies, and tools to investigate and analyze sustainable environmental practices.

OBJECTIVES

Participants will:

- Gain a fundamental understanding of sustainability
- Develop an understanding of the complexity of sustainability issues and the critical nature of these problems
- Develop an understanding of the interrelationships between humans and the natural environment
- Put into practice the methodologies for measuring the magnitude of human impact on ecological systems
- Learn basic skills to evaluate the viability of sustainability strategies
- Use critical thinking and research methodology to evaluate sustainability issues and solutions

MATERIALS

Thinking in Systems, a Primer

Author: Donella H. Meadows

Publisher: Chelsea Green

ISBN: 860-1406698703

Availability: Amazon or Campus

Working Toward Sustainability: Ethical Decision-Making in a Technological World

Author: Charles J. Kibert, Martha C. Monroe, Anna L. Peterson, Richard R. Plate, Leslie Paul Thiele

Publisher: John Wiley and Sons

ISBN: 978-0-470-53972-9

Availability: Amazon, Wiley, or Campus

All other materials available on course website under Modules

DELIVERABLES

Assignments

Assignment	Description	Points	Percent of Grade
Ecological Footprint	Personal Ecological Impact	10	4%
Systems Thinking (two parts)	Florida Springs Questions and System Map	20	8%
Minimizing Externalities	One Page Paper on Externalities	10	4%
Final Project Proposal	Paragraph or Two Proposal	10	4%
Final Project Plan	More Detailed Plan for Final Project	15	6%
Life Cycle Analysis	Infographic on product LCA	20	8%

Final Project Presentation	Presentation Delivered to the Class in Week 11 or 12	50	20%
Final Project Paper	10 Page Paper on Final Project	50	20%
Discussion	Thoughtful Contribution to Class Discussions	65	26%

EVALUATION

Breakdown

Course grades will be based on active participation, completion of assignments, quality of final project and demonstrated application of course concepts. There is no curve. Each student is evaluated on an individual basis, and theoretically it is possible for all students to get an A in the class.

Note: Course outline and materials may change during the course. Students will be notified of any changes and all changes will be made in reasonable timeframes.

Grade Percentage	Letter Grade	Pass/Fail
90-100%	A	Pass
80-89%	B	Pass
70-79%	C	Pass
<70%	F	Fail

COURSE POLICIES

Planning Your Study Time

To plan your study time, it is estimated that you will spend 3 hours per week "in class" with the instructor and approximately 7 additional hours per week outside of class studying for exams, reading, and completing assignments. Depending on the extent of your academic preparation and recent college-level coursework in this topic area, the amount of study time needed may vary considerably.

INSTITUTIONAL POLICIES

Student Conduct

Students are subject to disciplinary action for several types of misconduct or attempted misconduct, including but not limited to dishonesty, such as cheating, multiple submission, plagiarism, or knowingly furnishing false information to the University; or theft or misuse of the intellectual property of others or violation of others' copyrights. Students are encouraged to familiarize themselves with policy provisions which proscribe these and other forms of misconduct at: <https://www.uclaextension.edu/pages/str/studentConduct.jsp> (<https://www.uclaextension.edu/pages/str/studentConduct.jsp>)

Services for Students with Disabilities

In accordance with the Americans with Disabilities Act of 1990, UCLA Extension provides appropriate accommodations and support services to qualified applicants and students with disabilities. These include, but are not limited to, auxiliary aids/services such as sign language interpreters, assistive listening devices for hearing-impaired individuals, extended time for and proctoring of exams, and registration assistance. Accommodations and types of support services vary and are specifically designed to meet the disability-related needs of each student based on current, verifiable medical documentation. Arrangements for auxiliary aids/services are available only through UCLA Extension's Office for Students with Disabilities at (310) 825-0183 or by email at access@uclaextension.edu (<mailto:access@uclaextension.edu>). For complete information see: <https://www.uclaextension.edu/pages/str/studentwithDisabilities.jsp> (<https://www.uclaextension.edu/pages/str/studentwithDisabilities.jsp>)

Incompletes

Your instructor may post the interim grade *Incomplete/I* if at the end of the class your overall work is of passing quality but a portion could not be submitted for understandable reasons (e.g. illness). It is your responsibility to petition your instructor for permission to submit work late and to provide an explanation, and it is his or her sole decision whether to accept the explanation. If permitted, the *Incomplete/I* grade will be posted and a time frame defined for you to submit the missing work, ranging from one to twelve weeks. *Incomplete/I* grades that remain unchanged after twelve weeks will lapse to *F*, *NP* or *U*. Receiving an *I* grade entitles you to submit only the missing work your instructor has agreed to accept late, and does not allow other work to be retaken or oblige UCLA Extension to provide continuing access to course materials via Canvas. The *Incomplete/I* grade is not an option for courses that do not bear credit, such as 700, 800, or 900-level courses. For complete information, see: <https://www.uclaextension.edu/pages/str/grading.jsp> (<https://www.uclaextension.edu/pages/str/grading.jsp>)

All Grades are Final

No change of grade may be made by anyone other than the instructor, and then, only to correct clerical errors. No term grade except Incomplete may be revised by re-examination. The correction of a clerical error may be authorized only by the instructor of record communicating directly with personnel of Student and Alumni Services.

Sexual Harassment

The University of California is committed to creating and maintaining a community where all individuals who participate in University programs and activities can work and learn together in an atmosphere free of harassment, exploitation, or intimidation. Every member of the community should be aware that the University prohibits sexual harassment and sexual violence, and that such behavior violates both law and University policy. The University will respond promptly and effectively to reports of sexual harassment and sexual violence, and will take appropriate action to prevent, to correct, and when necessary, to discipline behavior that violates our policy.

All Extension students and instructors who believe they have been sexually harassed are encouraged to contact the Department of Student and Alumni Services for complaint resolution: UCLA Extension, Suite 113, 10995 Le Conte Ave., Westwood; Voice/TTY: (310) 825-7031. View the University's full Policy on Sexual Harassment and Sexual Violence at <http://policy.ucop.edu/doc/4000385/SHSV> (<http://policy.ucop.edu/doc/4000385/SHSV>).

ADDITIONAL ITEMS

About Your Online Course Materials

Please note the following about online course components at UCLA Extension:

- Students must have basic computer skills, including the use of word processing software, email, and the ability to use internet browsers, such as Safari, Firefox, or Chrome.
- Students are responsible for meeting the technical requirements of Canvas and familiarizing themselves with the Canvas Learning Management System.
 - What are the basic computer specifications for Canvas? <https://guides.instructure.com/m/4214//82542-what-are-the-basic-computer-specifications-for-canvas> (<https://guides.instructure.com/m/4214//82542-what-are-the-basic-computer-specifications-for-canvas>)
 - Which browsers does Canvas support? <http://guides.instructure.com/s/2204/m/4214//41056-which-browsers-does-canvas-support> (<http://guides.instructure.com/s/2204/m/4214//41056-which-browsers-does-canvas-support>)
- Students are responsible for keeping a copy of all assignments and work submitted, and to be aware of all assignments, due dates, and course guidelines.
- Students are encouraged to keep and/or download a local copy of their assignment files, as **access to the online environment of a specific course is limited to 30 days after the final course date**, as listed in the course catalog.

If you need assistance downloading student materials from your course, please contact Canvas Support or the Office of Instructional Enhancement.

UCLA Extension Enhanced Support

Email: support@unexonline.zendesk.com (<mailto:support@unexonline.zendesk.com>)

Phone: Toll-free at (866) 269-7289 (US only) or (310) 206-4563.

Monday - Friday, 7am to 6pm (Pacific Time).

Website: <http://support.uclaextension.edu> (<http://support.uclaextension.edu/>)

The UCLA Extension course management team assists both students and instructors with Canvas-related technical support, as well as general administrative questions.

For additional support on using Canvas or addressing a technical issue:

Click on the "Help" button on the lower left corner of the screen from within the Canvas system, where you can chat live with a technical support agent or submit a ticket for assistance.

Make-Up Exam Practice

All requests to make-up or reschedule an exam must be **directly** submitted by **written petition** to the **Department of Humanities and Sciences**. Only petitions related to extreme and emergent situations or religious holidays will be considered. The petition must be accompanied by verifiable supporting **documentation** of the inability to attend the exam (in the case of an illness or medical emergency, documentation from a licensed health care professional is required). Examples of extreme and emergent situations may include: accident, death, injury, or serious illness. **Petitions must be submitted to the Department *immediately* upon recognition of the inability to take the exam or *within 24 hours* after the exam takes place in an unexpected emergency situation.** Make-up exams can be denied at the discretion of the department.

SCHEDULE

When	Topic	Notes
Class Topic Week 1 Online	Introduction	
Class Topic Week 2 Online	What is Sustainability	
Class Topic Week 3 Online	Systems Thinking	
Class Topic Week 4 Online	Economics and Policy	
Class Topic Week 5 Online	The Role of Business in Sustainability	
Class Topic Week 6 Online	Sustainability Communication and Documentaries	
Class Topic Week 7 Online	Design and Life Cycle Analysis	
Class Topic Week 8 Online	Food Systems	

When	Topic	Notes
Class Topic Week 9 Online	Sustainability Management in Practice (UCLA Case Study)	
Class Topic Week 10 Online	Conclusion	
Online Presentations Week 12 Online	Final Project Presentations	