

ARCH A101: INTRODUCTION TO ENVIRONMENTAL SUSTAINABILITY

Item	Value
Curriculum Committee Approval Date	04/17/2019
Top Code	030300 - Environmental Technology
Units	1 Total Units
Hours	18 Total Hours (Lecture Hours 18)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

Course Description

This course is an overview to environmental sustainability and will provide a fundamental understanding of the cultural, man-made and natural factors involved in creating ecological balance and ethical stewardship of natural resources. Focus will be on the building and design related aspects of sustainability. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Students will be able to understand and improve their environmental impacts on a personal and professional level.

Course Objectives

- 1. Make everyday lifestyle choices based on factual knowledge of how their choices effect the environment.
- 2. Explain and suggest better resource management practices to clients and colleagues.
- 3. Make better environmental choices in their professional practice.
- 4. Locate and explore local resources and management agencies.

Lecture Content

Sustainability Definitions History Spaceship Earth: Buckminster Fuller
The Sea Around Us: Rachel Carson Whole Earth Catalog: Steward Brand
Ecology of Commerce: Paul Hawken Cradle to Cradle: McDonough
Braumgarten Monitoring and Measuring the Environment Global Watch:
Greenpeace, WWF, etc. Advocacy: Sierra Club, Rainforest Alliance,
etc. Regulation: Kyoto Measuring Carbon Assessing lifestyle impacts
Building Industry Point Systems: LEED, Green Building, etc. Building
Industry Resources of Concern Site selection Energy orientation Water
Waste Air Quality Materials Community assessment LEED Accredited
Professional Green Wash, Criteria for Assessment of "Green" Establishing
criteria Researching companies products Determining honesty
media hype Personal choices and expression Personal Professional
Environmental Awareness Client/Business Advisor and Colleague Mindful
growth, community spirit

Method(s) of Instruction

- Lecture (02)
- DE Online Lecture (02X)

Instructional Techniques

Lectures, webquests, student presentations, discussions, field trips.

Reading Assignments

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Writing Assignments

Writing for this course includes some written reporting. Critical thinking is reinforced in the act of composing and coordinating media presentations and field research assignments.

Out-of-class Assignments

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Demonstration of Critical Thinking

Instructor-graded assignments and reports, participation, quizzes, reflective writing and/or photo essay.

Required Writing, Problem Solving, Skills Demonstration

Writing for this course includes some written reporting. Critical thinking is reinforced in the act of composing and coordinating media presentations and field research assignments.

Other Resources

1. Instructor will post information and lectures online for study and reference.