COURSE OUTLINE
Revision: T Walsh, May 2011

DEPARTMENT: Academic Programs
CURRICULUM: The Natural World
COURSE TITLE: Principles of Sustainability
COURSE NUMBER: ENVS 160
TYPE OF COURSE: Academic Transfer
Special Requirement Met: Integrated Studies
AREA(S) OF KNOWLEDGE: Individuals, Cultures and Societies
Global Studies
The Natural World
COURSE LENGTH: 1 quarter
CREDIT HOURS: 5
LECTURE HOURS: 55
LAB HOURS: 0
CLASS SIZE: 30
PREREQUISITES: Qualified for ENGL 098

COURSE DESCRIPTION:
This course investigates a variety of local and global sustainability initiatives to combat degradation of the natural environment. It combines the basic science of environmental issues followed by a critical analysis of the societal value and environmental impact of trends in sustainability.
STUDENT LEARNING OUTCOMES ADDRESSED: 2012

Upon successful completion of the course the student will be able to:

1. **Communication**: Read and listen actively to learn and communicate
2. **Computation**:
3. **Human Relations**: Use social interactive skills to work in groups effectively
4. **Critical Thinking**: Think critically in evaluating information, solving problems and making decisions
5. **Technology**:
6. **Personal Responsibility**: Be motivated and able to continue learning and adapt to change. Be aware of civic and environmental issues
7. **Information Literacy**: Access and evaluate information from a variety of sources and contexts, including technology. Use information to achieve personal, academic and career goals, as well as to participate in a democratic society

*SPECIAL EQUIPMENT/COURSE MATERIAL:
No equipment required from the college

Program Outcomes

<table>
<thead>
<tr>
<th>SLO #</th>
<th>SSCC Student Learning Outcome</th>
<th>Included in Course objective Number</th>
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<tbody>
<tr>
<td>SLO 1.1</td>
<td>Communication – Read and listen actively</td>
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<td>SLO 1.2</td>
<td>Communication – Speak and write effectively</td>
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<td>SLO 2.1</td>
<td>Computation – Use Arithmetic &amp; other basic mathematical operations as required by program of study.</td>
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<td>SLO 2.2</td>
<td>Computation – Apply quantitative skills for personal, academic and career purposes.</td>
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<tr>
<td>SLO 2.3</td>
<td>Computation - Identify, interpret and utilize higher level mathematical and cognitive skills.</td>
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<td>SLO 3.1</td>
<td>Human Relations – Use social skills to work in groups.</td>
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<tr>
<td>SLO 3.2</td>
<td>Human Relations - Recognize the diversity of cultural influences and values.</td>
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<td>SLO 4.1</td>
<td>Critical Thinking - Think critically in evaluating information, solving problems and making decisions.</td>
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<tr>
<td>SLO 5.1</td>
<td>Technology - Select and use appropriate technological tools for personal, academic and career tasks.</td>
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<td>SLO 6.1</td>
<td>Personal Responsibility - Be motivated and able to continue learning and adapt to change.</td>
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<tr>
<td>SLO 6.2</td>
<td>Personal Responsibility - Value one’s own skills, abilities, ideas and art.</td>
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<td>SLO 6.3</td>
<td>Personal Responsibility - Take pride in one’s work.</td>
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<td>SLO 6.4</td>
<td>Personal Responsibility - Manage personal health and safety.</td>
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<td>SLO 6.5</td>
<td>Personal Responsibility - Be aware of civic and environmental issues.</td>
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<tr>
<td>SLO 7.1</td>
<td>Information Literacy - Access and evaluate information from a variety of sources and contexts, including technology.</td>
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<tr>
<td>SLO 7.2</td>
<td>Information Literacy - Use information to achieve personal, academic, and career goals, as well as to participate in a</td>
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GENERAL COURSE OBJECTIVES--At the end of the class the student should be able to:

1. Understand terms in the field of sustainability, particularly in ecology, climatology, demographics, economics, politics, and ethics.
2. Understand the principles, concepts, and processes of matter and energy resources, ecosystems, human population, environmental economics and politics, and environmental worldviews.
3. Understand the interrelationships among the various disciplines that comprise the student of sustainable societies.
4. Understand the psychological, philosophical, cultural, economic, and political causes of our actions upon the natural world and human societies.
5. Understand the global, national, regional and local effects of our actions upon the natural world.
6. Examine one’s own attitudes and actions toward the natural world and a sustainable future.

TOPICAL OUTLINE: APPROX. HOURS

I. Overview of Sustainability: Historic Civilizations And Causes of their Persistence or Collapse 8
II. Ecosystems, How They Work, and How Understanding Ecosystem Functioning Helps in Designing a Sustainable Society 8
III. Sustainability and Natural Resources 5
IV. Water Resources and Pollution, Local and Global 5
V. Food Resources and Local and Urban Agriculture 5
VI. The Human Population, Sprawl, and Urbanization 6
VII. Climate, Global Warming, and Ozone Loss: Localized Action and Global Initiatives 6
VIII. Sustainable Economics: Sustainability and Commerce The Greening of Business 8
IX. Political Decisions and Sustainability 4
Total 55

REVISED BY: Tim Walsh
DATE: May 2011