## Course Title:
Environmental Science

## Department:
Science

## Curriculum:
Science

### Course Code:
EVS*100

### Course Type:
D/L


### Elective Type:
G/LAS/S


### Credit Hours:

<table>
<thead>
<tr>
<th>Developmental:</th>
<th>Lecture:</th>
<th>Clinical:</th>
<th>Lab:</th>
<th>Studio</th>
<th>Other:</th>
<th>TOTAL:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(yes/no)</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
</tr>
</tbody>
</table>

### Contact Hours:

- Lecture: 3
- Clinical: 0
- Lab: 0
- Studio: 0
- Other: 0
- TOTAL: 3

### Class Maximum:
35

### Semesters Offered:
F/Sp

### Prerequisites:
None

### Corequisites:
None

### Other Requirements:
None

### Catalog Course Description:
An introduction to the problems of physical resources management and aspects of ecological concern in our natural environment, with emphasis on our demand for energy, the consumption of our natural resources, resource pollution, and waste management. Alternative sources of energy are explored.

### Topical Outline:

1. Environmental Science and Sustainability
2. Earth's Physical Systems
3. Evolution and Biodiversity; Species Interactions
4. Ecosystem Ecology
5. Human Population
6. Soil and Agriculture; Biotechnology
7. Forests and Forest Management
8. The Urban Environment
9. Freshwater Systems and Resources
10. Air Quality and Pollution
11. Global Climate Change
12. Fossil Fuels
14. Waste Management; Minerals and Mining |
|-----------|--------------------------------------------------|
| PROGRAM:  | (Numbering reflects Program Outcomes as they appear in the college catalog)  
N/A |
| GENERAL EDUCATION: | (Numbering reflects General Education Outcomes as they appear in the college catalog)  
8. Scientific Knowledge - Students will gain a broad base of scientific knowledge and methodologies in the natural sciences. This will enable them to develop scientific literacy, the knowledge and understanding of scientific concepts and processes essential for personal decision making and understanding scientific issues.  
Demonstrates: Consistently recalls and correctly applies discipline-specific terms, relevant theories, laws, and concepts to analyze and explain scientific information.  
Does Not Demonstrate: Inconsistently recalls or incorrectly applies discipline-specific terms, relevant theories, laws, and concepts to analyze or explain scientific information. |
| Evaluation: | Assessment will be based on the following criteria:  
1. Tests and quizzes  
2. Homework assignments and group projects |
| Instructional Resources: | Required: Instructor computer and projector, access to internet  
Desired: |