

**Faculty of Economics and Political Science**

**Environmental Sciences**

**Information :**

**Course Code :** ENV 101

**Level :** Undergraduate

**Course Hours :** 2.00- Hours

**Department :** University Requirments

**Area Of Study :**

This course is designed to make students appreciate environment as a source of life and a player in shaping the political and economic policies of states. Some key questions get answers in this course, such as the question about how does the choice of a country's source of energy to run its economy and sustain the lives of its citizens influences and get influenced by environment. Students get to understand the influence of the geographical location and natural resources of a country on its choices in foreign policy.

**Course Goals:**

- Introduce students to the importance of the environment in the political and economic choices of a country.
- Teach about the political and economic choices that impact or are impacted by the environmental circumstances of a country.
- Clarify the impact of politics on initiatives to save the environment.
- Think beyond oil for viable alternatives.

**Description :**

This course entails focusing on delivering environmental studies to students of social sciences and humanities. This includes studying topics such as: 1) agriculture and its political, societal and economic manifestations, 2) Energy, 3) Ocean Resources, 4) Environmental Law and Politics, 5) the impact of Natural resources, 6) the relationship between environmental issues and society, as well as 7) sustainable development. This course also perceives how respective official and non-official institutions deal with these issues and what sort of impact they have.

**Course outcomes :**

**a.Knowledge and Understanding: :**

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| 1 - | Classify the different energy sources in light of environmental consequences. |
| 2 - | Define terminology commonly used in environmental science.                    |

**b.Intellectual Skills: :**

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| 1 - | Analyze the impact of oil trade on shaping of foreign policy decisions.          |
| 2 - | Explain presented information and data using scientific principles and concepts. |

**c.Professional and Practical Skills: :**

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| 1 - | Interpret global, regional, and landscape scale environmental processes and systems.  |
| 2 - | Discover common and adverse human impacts on biotic communities, soil, water, and air quality and suggest sustainable strategies to mitigate these impacts. |

**d.General and Transferable Skills: :**

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| 1 - | Realize the challenges facing the world at-large in replacing oil with an environment-friendly source for energy. |
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2 - Evaluate learned information to postulated environmental scenarios to predict potential outcomes.

### **Course Topic And Contents :**

| <b>Topic</b>  | <b>No. of hours</b> | <b>Lecture</b> | <b>Tutorial / Practical</b> |
|---|---------------------|----------------|-----------------------------|
| Introduction and syllabus   | 2                   | 1              |                             |
| Principles of the human-environment relationship                                  | 2                   | 1              |                             |
| Historical development of sources of energy                                       | 2                   | 1              |                             |
| Energy generation and environment: Adversarial relationship?                      | 2                   | 1              |                             |
| Energy as a key player in IR  | 2                   | 1              |                             |
| Dynamics of oil politics  | 2                   | 1              |                             |
| Oil's impact on environment   | 2                   | 1              |                             |
| Midterm Exam  |                     | 1              |                             |
| The Kyoto Protocol and politics of climate change                                 | 2                   | 1              |                             |
| Assessing environment-friendly sources of energy: solar energy                    | 2                   | 1              |                             |
| Assessing environment-friendly sources of energy: wind energy                     | 2                   | 1              |                             |
| Assessing environment-friendly sources of energy: nuclear energy                  | 2                   | 1              |                             |
| Role of non-state actors in preserving environment (IO, NGOs, and civil society). | 2                   | 1              |                             |
| Future ahead  | 2                   | 1              |                             |
| Final Exam  |                     | 1              |                             |

### **Teaching And Learning Methodologies :**

Data show and computer in lectures  
 Demonstration videos  
 Group discussion  
 Research Paper

### **Course Assessment :**

| <b>Methods of assessment</b>  | <b>Relative weight %</b> | <b>Week No</b> | <b>Assess What</b>   |
|---|--------------------------|----------------|--|
| Course Work (Attendance, Participation, Assignments, Quizzes, Research Paper, D | 30.00                    |                | To assess understanding and theoretical background of the intellectual and practical skills. |
| Final Exam  | 40.00                    | 15             | To assess knowledge and intellectual skills  |
| Midterm Exam  | 30.00                    | 8              | To assess professional skills  |