

Department of Environmental Sciences						
Class	Subject	Sem.	Course Code	Course Title	Marks	Credits
Under Graduation	Environment Science	I	ENV-VEC-504	Environmental Awareness	Mid Sem.-40 End Sem.-60	2-0-0=2
<b>Course objectives:</b> <ul style="list-style-type: none"> <li>• To introduce the basics of environment and its multidisciplinary perspective on sustainable development.</li> <li>• To develop social perspective on emerging global environmental challenges</li> <li>• To understand the importance of community and individual participation in environmental conservation.</li> </ul>						
<b>Unit 1</b>						<b>06 hours</b>
<b>Introduction to the Environment:</b> Definition, Components, Importance, Structure and composition of atmosphere, hydrosphere, lithosphere, and biosphere						
<b>Unit 2</b>						<b>06 hours</b>
<b>Global Environmental Issues:</b> Population explosion, Resource depletion, Global warming, Climate Change, Pollution, Disease outburst- Epidemic, Pandemic; Problems related to forest, land, and water management						
<b>Unit 3</b>						<b>06 hours</b>
<b>Social Perspectives of Environment:</b> Value education: Environmental values and ethics, Valuing nature and culture, Role of Indian religions and cultures in environmental conservation, Social justice, Equitable use of resources, Environmental movements in India, Consumerism, Food and Water insecurity						
<b>Unit 4</b>						<b>06 hours</b>
<b>Environmental laws and Protection:</b> Fundamental Rights, Duties, Equity, Community Biodiversity Register, Environment Protection Act; Air Act; Water Act; Wildlife Protection Act; Forest Conservation Act; International agreements; Montreal and Kyoto protocol).						
<b>Unit 5</b>						<b>06 hours</b>
<b>Environment awareness and Indian initiatives:</b> Environment education and public awareness, Role of State, Corporate, Civil society, Electronic and Social media, Community, and individual-level initiatives to achieve sustainable development goals, Role of information technology in environmental issues, Mission Life, Swachh Bharat, Namami Gange Project.						
<b>Course outcome:</b> At the completion of this course the students will be able to: <ul style="list-style-type: none"> <li>• Understand the societal interactions with the different approaches of environmental issues.</li> <li>• Understand the role of government, corporate and individual responsibility towards protection of the environment.</li> </ul>						

### Essential Books:

1. Erach Bharucha (2005)., Textbook of Environmental Studies for Undergraduate Courses, Hyderabad, Universities Press.
2. D. K. Asthana and M. Asthana (2012) A Textbook of Environmental Studies. S. Chand & Company Ltd.
3. Benny Joseph (2005)., Environmental Studies, New Delhi, Tata McGraw Hill Publishing co. Ltd

### Reference Books:

1. Sarita Kumar (2018) Fundamentals of Environmental studies, SCS Sutan Chand Publishers
2. Pratibha Singh and Alpana (2016) Environmental Studies, Galgotia Publishing Company