

<b>COURSE TITLE</b>	<b>ENVIRONMENTAL SCIENCE</b>
<b>COURSE CODE</b>	<b>04BB0109</b>
<b>COURSE CREDITS</b>	<b>2</b>

**Course Outcomes:** After completion of this course, student will be able to:

- 1 Create the awareness about environmental problems among learners.
- 2 Impart basic knowledge about the environment and its allied problems.
- 3 Develop an attitude of concern for the environment.
- 4 Motivate learner to participate in environment protection and environment improvement.
- 5 Acquire skills to help the concerned individuals in identifying and solving environmental problems
- 6 Strive to attain harmony with Nature

**Pre-requisite of course:**N/ A

#### Teaching and Examination Scheme

<b>Theory Hours</b>	<b>Tutorial Hours</b>	<b>Practical Hours</b>	<b>ESE</b>	<b>IA</b>	<b>CSE</b>	<b>Viva</b>	<b>Term Work</b>
2	0	0	50	30	20	0	0

<b>Contents : Unit</b>	<b>Topics</b>	<b>Contact Hours</b>
1	<b>Introduction and Ecology and Population and Environment</b> Introduction to Environment, Ecology, Ecosystem, Population and environment, , Factors Affecting Human Settlement, Define Over Population & Explain the Cause,, Effect on Environment & Control of it, Methods of Population forecasting, Governmental bodies for Environmental protection	10
2	<b>Environmental Resources</b> Forest resources, Energy resources, Land Resources, Water Resources, Environmental Pollution,, Water pollution, Air Pollution, Noise pollution, Environmental sinks, Solid Waste, Hazardous waste, E-waste, Bio medical waste, Introduction to Green chemistry	10
3	<b>Global Environmental Issues</b> Greenhouse effect, Global warming, Ozone layer depletion, Climate change, Acid Rain, Global Efforts to control Environmental issue, Green Building	10
<b>Total Hours</b>		<b>30</b>

**Textbook :**

- 1 Marine Pollution, Clark R.S, Clanderson Press Oxford , 1997

**References:**

- 1 Environmental Science, Environmental Science, Y.K. Sing, New Age International Pvt, Publishers, Bangalore, 2006
- 2 Environmental Biology, Environmental Biology, Agarwal, K.C, Nidi Publ. Ltd. Bikaner, 2001
- 3 The Biodiversity of India, The Biodiversity of India, Bharucha Erach, Mapin Publishing Pvt. Ltd., Ahmedabad:380 013, India, , 2002
- 4 Hazardous Waste Incineration, Hazardous Waste Incineration, Brunner R.C, McGraw Hill Inc, 1989

**Suggested Theory Distribution:**

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery and evaluation					
<b>Remember / Knowledge</b>	<b>Understand</b>	<b>Apply</b>	<b>Analyze</b>	<b>Evaluate</b>	<b>Higher order Thinking</b>
20.00	20.00	30.00	15.00	10.00	5.00

**Instructional Method:**

- 1 Theory