

| ENVIRONMENT STUDIES AND VALUE EDUCATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                          |                        |
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| Programme: Under Graduation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                          | Year: 1<br>Semester: 2 |
| Subject: Co-curricular Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                          |                        |
| CourseCode: CCS 02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Course Title: ‘Environment studies and Value Education                                                                                                                                                                                                                                                   |                        |
| <p><b>Course outcomes:</b></p> <p>The mission of the course on Human Values and Environmental Studies is to create morally articulate solutions to be truthful and just and to become responsible towards humanity. The course seeks to establish a continuous interest in the learners to improve their thought process with intent to develop a new generation of responsible citizens capable of addressing complex challenges faced by the society due to disruptions in human interactions effecting human values. This course works towards</p> <p>Building fundamental knowledge of the interplay of markets, ethics, andlaw,<br/>Look at various challenges faced by individual to counter unethicalissues<br/>Look at core concepts for businessethics<br/>Look at core concepts ofanti-corruption<br/>Look at core concepts for a morally articulate solution evolver to management issues ingeneral,<br/>Issues of sustainable development for a betterenvironment.<br/>To know how environmental degradation has takenplace.<br/>Be aware of negotiations and international efforts to saveenvironment.<br/>How to developsustainably?<br/>Efforts taken up by UN in SustainableDevelopment.<br/>Efforts taken by India in Sustainable Development.<br/>The course intends to create a sense of how to be more responsible towards the environment. Upon finishing of the course students will be able to come up with using ethical reasoning for decision making and frame ethical issues as well as operationalise ethical choices.<br/>The course integratesvarious facets of human values and environment.</p> |                                                                                                                                                                                                                                                                                                          |                        |
| Credits: Nil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                          | Core Compulsory        |
| Max. Marks: 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                          | Min. Passing Marks:40  |
| Total No. of Lectures-Tutorials-Practical (in hours per week): 4-0-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                          |                        |
| Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Topic                                                                                                                                                                                                                                                                                                    | No. of Lectures        |
| Unit I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Renewable and Nonrenewable Natural resources. Ecosystem: Concept, structure & functions of ecosystem: producer, consumer, decomposer, food web, food chain, energy flow, Ecological pyramids Conservation of Biodiversity- In-situ & Ex- situ conservation of biodiversity.                              | 07                     |
| Unit II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Environmental pollution, Role of individual in Pollution control, Social Issues and Environment, Human Population & Environment Sustainable Development, Natural Hazards, India and UN Sustainable Development Goals Concept of circular economy and entrepreneurship<br>Environment Protection Act 1986 | 08                     |

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| <b>Unit III</b> | International Advancements in Environmental Conservation<br>Role of National Green Tribunal<br>Air Quality Index<br>Importance of Indian Traditional knowledge on environment<br>Bio assessment of Environmental Quality<br>Environmental Management System<br>Environmental Impact Assessment and Environmental Audit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>07</b> |
| <b>Unit IV</b>  | <b>Human Values-</b> Introduction- Values, Characteristics, Types, Developing Value system in Indian Organization, Values in Business Management, value based Organization, Trans –cultural Human values in Management.<br>Swami Vivekananda's philosophy of Character Building, Gandhi's concept of Seven Sins, APJ Abdul Kalam view on role of parents and Teachers.<br><b>Human Values and Present Practices</b> – Issues: Corruption and Bribe , Privacy Policy in Web and social media, Cyber threats, Online Shopping etc. Remedies<br><b>Corporate Social Responsibility-</b> Nature, Levels, Phases and Models of CSR, Corporate Governance. CSR and Modern Business Tycoons Ratan Tata, Azim Premji and Bill Gates.<br><b>Holistic Approach in Decision making-</b> Decision making, the decision making process, The Bhagavad Gita: Techniques in Management, Dharma and Holistic Management.<br><b>Case Studies</b> | <b>08</b> |

### Suggested Reading:

1. A foundation course in Human Values and Professional Ethics by RR. Gaur, R. Sangalet.al
2. JUSTICE: What's the Right Thing to Do? Michael J.Sandel.
3. Human Values by A. N. Tripathi New AgeInternational
4. Environmental Management by N.K.Oberoi
5. <https://www.un.org/sustainabledevelopment/sustainable-development-goals/>
6. <https://www.india.gov.in/my-government/schemes>
7. <https://www.legislation.gov.uk/ukpga/2010/23/contents>
8. Daniel Kahneman, Thinking, Fast and Slow; Allen Lane
9. Environment Protection Act 1986; Universal Publications
10. Agarwal, K.C.2001 Environmental Biology, Nidi Pub!. Ltd. Bikaner.
11. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd. Ahmedabad- 380013, India
12. Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hi'll Inc.480p
13. Clark R.S., Marine Pollution, Clanderson Press Oxford (TB)
14. Cunningham, W.P.Cooper, T.H.Gorhani, E & Hepworth, M.T.200 I, Environmental Encyclopedia, Jaico Pub!. House. Mumbai. 1196p
15. De A.K., Environmental Chemistry, Wiley Eastern Ltd.
16. Down to Earth, Centre for Science and Environment(R)
17. Gleick, H.P. 1993. Water in crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute. Oxford Univ. Press. 473p
18. Hawkins R.E, Encyclopedia of Indian Natural History, Bombay Natural History Society, Bombay (R)
19. Heywood, Vil & Watson, R.T. 1995. Global Biodiversity Assessment. Cambridge Univ. Press 1140p.
20. Jadhav, H & Bhosale, V.M. 1995. Environmental Protection and Laws.

- Himalaya Pub. House, Delhi 284 p.
21. McKinney, M.L. & Schoel. R.M. 1996. Environmental Science systems & Solutions, Web enhanced edition. 639p.
  22. Mhaskar A.K, Matter Hazardous, Techno-Science Publications (TB)
  23. Miller T.G. Jr., Environmental Science, Wadsworth Publishing Co. (TB)
  24. Odum, E.P. 1971. Fundamentals of Ecology. W.B.Saunders Co. USA, 574p
  25. Rao MN.& Dalla, A.K. 1987. Waste Water treatment. Oxford & IBH Pub!. Co. Pvt.Ltd. 345p.
  26. Sharma B.K., 2001. Environmental Chemistry. Goel Publ. House, Meerut
  27. Survey of the Environment, The Hindu (M)
  28. Townsend C., Harper J, and Michael Begon, Essentials of Ecology, Blackwell Science (TB)
  29. Trivedi R.K., Handbook of Environmental Laws, Rules, Guidelines Compliances and Standards, Vol I and II, Enviro Media (R)
  30. Trivedi R.K. and P.K. Goel, Introduction to air pollution, Techno-Science Publications (TB)
  31. Wagner K.D., 1998. Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p
- (M) Magazine (R) Reference (TB) Textbook

**Suggested Online Link:** None

**Suggested equivalent online courses:** None

**This course can be opted as a co-curricular course by the students of following subjects:**

B.A.  
B. Com  
B.B.A  
B.Sc.  
B.F.A  
B. Lib  
B.A.LL.B. (Hons)  
B.A.LL. B  
B.B.A.LL.B.  
B. Pharm

**Suggested Continuous Evaluation (25 Marks):**

| Internal Assessment            | Marks | External Assessment | Marks |
|--------------------------------|-------|---------------------|-------|
| Midterm Test                   | 10    | Written Examination | 75    |
| Assignment                     | 5     |                     |       |
| Presentation                   | 5     |                     |       |
| Attendance & class performance | 5     |                     |       |

**Course Prerequisites:**

No pre-requisite required, open to all.