

As Per NEP 2020

**Tolani College of
Commerce
(Autonomous)**



Title of the Course: Environmental Science- II

**Name of the Programme: Bachelor of Commerce
Semester II**

Syllabus for 2 Credit Course

From the academic year- 2024-2025

Name of the Course: Environmental Science- II

Sr. No.	Heading	Particulars
1	Description the course:	The course is an introductory inter-disciplinary course to understand working earth's systems. It is an attempt to understand the future impacts by learning from the past and present actions.
2	Vertical:	Value Education System
3	Type:	Theory
4	Credit:	2 credits
5	Hours Allotted:	30 Hours
6	Marks Allotted:	50 Marks Continuous Evaluation 20 Marks Semester End Examination 30 Marks
7	Course Objectives: By end of this course learners should be: <ol style="list-style-type: none">1. aware about the human interventions for environment protection2. familiar with mechanisms for environmental protection in India	
8	Course Outcomes: The learners shall be able to: <ol style="list-style-type: none">1. have a rational attitude towards sustainable development2. a develop a sense of environmental responsibility	

9	<p>Module 1: Sustainability and Way forward (15 Hours)</p> <ol style="list-style-type: none"> Sustainability: Definition, Need, Importance; Sustainable Development Goals (SDGs), Corporate Social Responsibility: Concept, Need and Importance Environmental Management: Need, Importance and Relevance, ISO 14000, Carbon Banks and Carbon Credits Disaster Management: Definition; Types of disasters; Effects of disaster; Factors to be considered in Prevention, Mitigation (Relief and Rehabilitation) and disaster Preparedness. Environment Education: Definition, Scope, Importance, Principles, Methods, Concept of Education for Sustainable Development <p>Module 2: Environment Protection and India (15 Hours)</p> <ol style="list-style-type: none"> Environmental Movements in India: Chipko Movement, Appiko Movement, Save Narmada Movement, Save Western Ghat, Save Jaitapur and Save Aarey Environmental Laws in India: Constitutional Provisions for environment protection; Law-Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Wildlife Protection Act, 1972, Forest Conservation Act, 1980, Environmental Protection Act, 1986 Protected Areas in India: Definition and concept, Importance, Types of Protected Areas, Some of Protected Areas in India, Protected Areas Network Conservation Initiative in India: Concept, Need of conservation; NGOs in the field of conservation India; Conservation initiative in India- National Solar Mission, Project Tiger, Project Elephant, Project Vulture, Project Cheetah, Project Mahseer, Project Bustard
10	<p>Reference Books:</p> <ol style="list-style-type: none"> Gleick, H.P. 1993. Water in crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute Oxford Univ. Press. 473p McKinney M.L. & Schoch R.M., 1998: Environmental Science, Jones & Bartlett Publishers, London Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. Murthy, D. B. N., Disaster Management: Text and Case Studies, Deep and Deep Negi S.S. (1993) Biodiversity and its Conservation in India, Indus Publications, New Delhi Odum E.P. (1971): Fundamentals of Ecology, W.B. Saunders, Philadelphia Parsuraman, S., and Unnikrishnan, ed., India Disasters Report II, Oxford, New Delhi, 2013 Publications, New Delhi, 2013. Rajgopalan C (2015): Environmental Studies. Oxford University Press Rao K.L. 1975: India's Water Wealth, Orient Longman Ltd. New Delhi Reza, B. K., Disaster Management, Global Publications, New Delhi, 2010.
11	<p>Other Readings:</p> <ol style="list-style-type: none"> Down to Earth, Centre for Science and Environment Human Development Report 2020 "The next frontier Human development and the Anthropocene", United Nations Development Programme (eISBN: 978-92-1-005516-1) 412 p.p http://hdr.undp.org/en/2020-report

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Websites:

1. <https://unfccc.int/>
2. <https://www.cbd.int/>
3. <https://cpcb.nic.in>
4. <https://mpcb.gov.in>
5. <https://shoalconservation.org/project/project-mahseer/>
6. <https://www.wwfndia.org/>
7. <https://www.bnhs.org/>
8. <https://www.iucnredlist.org/>
9. <https://wii.gov.in/>

13	Internal Continuous Assessment: 40%	Semester End Examination: 60%		
14	Continuous Evaluation through:	1. Fieldwork-based project work and report or assignment or presentation or report-writing or article/ book review or topic-based activity	10 marks	
		2. MCQ Based Test	10 marks	
		Total	20 marks	
15	Format of Question Paper:			
	Question Number	Nature of Questions	Maximum Marks	
	1)	Attempt any THREE of the following: (From Module I)		15
		A.		
		B.		
		C.		
	2)	Attempt any THREE of the following: (From Module II)		15
A.				
B.				
C.				
D.				

Signatures of Team Members

Sr. No.	Name	Signature
1.	Mr. Kaustubh Bhagat	