

AC – 20/04/2024  
Item No. – 8.30 (N)Sem-I 1(c)

## As Per NEP 2020

# University of Mumbai



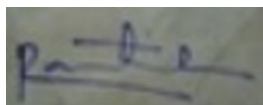
<b>Syllabus for Basket of OE</b>	
<b>Board of Studies in GEOGRAPHY</b>	
<b>UG First Year Programme</b>	
<b>Semester - I</b>	
<b>Title of Paper -</b>	<b>Credits</b>
<b>I) Introduction to Environment</b>	<b>2</b>
<b>From the Academic Year</b>	<b>2024/2025</b>

Sr. No.	Heading	Particulars
1	<p><b>Description of the course :</b></p> <p><b>Including but not limited to :</b></p>	<p><b>Introduction to Environment</b></p> <p>The "Introduction to Environment" curriculum is designed specifically for First Year Students. It aims to explore the dynamics of our natural world, empowering students from diverse academic backgrounds to develop a holistic understanding of environmental issues and their relevance in contemporary society.</p> <p>In an age marked by environmental challenges, climate change, and sustainability concerns, understanding the environment is essential for informed decision-making and responsible citizenship. This curriculum provides students with the foundational knowledge and awareness necessary to navigate complex environmental issues, fostering a sense of environmental stewardship and empowering them to contribute positively to sustainable development initiatives.</p> <p>The knowledge gained from this curriculum has applications across various sectors and professions. Whether pursuing careers in business, government, academia, or non-profit organizations, students will find the principles and concepts explored in this course invaluable. From implementing sustainable business practices to designing conservation strategies, students will develop critical thinking, problem-solving, and communication skills essential for addressing environmental challenges in diverse contexts.</p> <p>Professionals with a strong foundation in environmental studies and sustainability principles are increasingly sought after across various industries and sectors. From environmental consulting firms to corporate enterprises, there is a growing demand for individuals equipped to address environmental challenges, formulate sustainable policies, and drive positive change. Graduates of this program can pursue diverse career paths, including environmental analysts, sustainability coordinators, conservation scientists, environmental educators, and policy advisors, among others, contributing to a more sustainable and resilient future.</p>
2	<b>Vertical :</b>	Open Elective

3	<b>Type :</b>	Theory
4	<b>Credit:</b>	2 credits ( 1 credit = 15 Hours for Theory)
5	<b>Hours Allotted :</b>	30 Hours
6	<b>Marks Allotted:</b>	50 Marks
7	<b>Course Objectives:</b> ( List some of the course objectives ) 1. To demonstrate and analyse the knowledge of the facts and processes of the environment. 2. To understand the functioning and structure of the ecosystem. 3. To understand the types and importance of natural resources. 4. To create awareness about the existence and importance of biodiversity.	
8	<b>Course Outcomes:</b> ( List some of the course outcomes ) On successful completion of this course, students will be able to: 1. Understand and explain the basic concepts of environment and ecosystem. 2. Understand the types and utility of natural resources. 3. Understand the biodiversity in the environment and help to conservation of biodiversity.	
9	<b>Modules:-</b> Per credit One module can be created	
	<b>Module 1: Introduction to Environmental Studies (7 Hours)</b>	
	1. Environmental Studies: Definition, Nature, and Scope 2. Environment: Components and Types 3. Structure of Environment	
	<b>Module 2: Ecosystem (8 Hours)</b>	
	1. Ecosystem: Concept and Components 2. Functioning and Structure of the Ecosystem 3. Types of Ecosystems	
	<b>Module 3: Natural Resources (8 Hours)</b>	
	1. Natural Resources: Definition, and Classification 2. Importance of Natural Resources 3. Environmental Problems Associated with Forest and Water Resources	
	<b>Module 4: Biodiversity and its Conservation (7 Hours)</b>	
	1. Biodiversity: Definition, Types and Importance 2. Hotspots of Biodiversity in the World and India 3. Threats to Biodiversity and Conservation	

10	<b>Text Books:</b> <ol style="list-style-type: none"> <li>1. Bharucha Erach, 2004, Textbook for Environmental Studies, University Grants Commission, New Delhi (Available free on the web)</li> <li>2. Rajagopalan, R. (2011). Environmental Studies: From Crisis to Cure. India: Oxford University Press.</li> <li>3. धारपुरे विठ्ठल (२०१९) 'पर्यावरण शास्त्र' पिंपळापुरे अँड पाब्लिशर्स, नागपूर.</li> <li>4. देवरे, परमार, बुटाला (२०१३) 'पर्यावरण भूगोल' हिमालया पब्लिशिंग हाउस, मुंबई.</li> <li>5. परमार, बोरसे व इतर (२०२२) 'पर्यावरण भूगोल' हिमालया पब्लिशिंग हाउस, मुंबई.</li> </ol>	
11	<b>Reference Books:</b> <ol style="list-style-type: none"> <li>1. Chiras, D. D and Reganold, J. P. (2010). Natural Resource Conservation: Management for a Sustainable Future.10th edition, Upper Saddle River, N. J. Benjamin/Cummins/Pearson.</li> <li>2. Miller, G. T., &amp; Spoolman, S. (2015) Environmental Science. Cengage Learning.</li> <li>3. Mohanta R., Sen A., Singh M.P., 2009, 'Environmental Education - Vol. 1', APH Publishing Corporation New Delhi.</li> <li>4. Perman, R., Ma, Y., McGilvray, J., and Common, M. (2003) Natural Resource and Environmental Economics. Pearson Education.</li> <li>5. Perumal M., Veerasekaran R., Suresh M., Asaithambi M., 2008, 'Environmental and Ecological issues in India', Abhijeet Publication, Delhi</li> <li>6. Prabu P.C., Udayasooriyan C., Balasubramanian G, 2009, 'An introduction to Ecology and Environmental Science', Avinash Paperbacks, New Delhi.</li> <li>7. Reddy K. P., Reddy D. N., 2003, 'Environmental Education', Neelkanth Publication, Hyderabad.</li> <li>8. Santra S.C., 2004, 'Environmental Science', New Central Book agency Pvt Ltd, Kolkata.</li> <li>9. Sinha, N. (2020) Wild and Wilful. Harper Collins, India.</li> <li>10. Tiwari V., 2009, 'A textbook of Environmental studies', Himalaya Publications House, New Delhi</li> <li>11. Tomar A., 2007, 'Environmental Education', Kalpaz publication, New Delhi</li> <li>12. William M., Grossa J., 2002, 'Environmental Geography - Science, Land use and Earth Systems', John Wiley and Sons Inc USA.</li> <li>13. Wright R., 2008, 'Environmental Science - Towards sustainable future', Eastern Economy Edition, Prentice Hall Inc, New Jersey, U.S.A</li> <li>14. सुभाषचंद्र सारंग (१९९९) पर्यावरण भूगोल, विद्या प्रकाशन, नागपूर.</li> <li>15. घोलप (२०००) 'पर्यावरण शास्त्र' निशिकांत प्रकाशन, पुणे</li> </ol>	
12	<b>Internal Continuous Assessment: 40%</b>	<b>External, Semester End Examination: 60%</b> <b>Individual Passing in Internal and External Examination</b>
13	<b>Continuous Evaluation through:</b> Quizzes, Class Tests, presentations, projects, role play, creative writing, assignments etc. (at least 3)	<b>Semester-End Examination of 30 Marks</b>  1. This examination shall be of 1 Hour duration. Maximum marks 30. 2. There shall be two questions each of 15

	<p><b>Internal Continuous Assessment of 20 Marks</b></p> <p>1. One Assignment/Project work/Case study /Presentation /Seminar /Field visit report/Book review etc. to be conducted in the given semester before the Semester end examination. (Marks – 10)</p> <p>2. One online/ offline class test (Marks – 5)</p> <p>3. Active participation in regular class instructional deliveries and fieldwork. &amp; Overall conduct as a responsible learner, mannerism and articulation and exhibit of leadership qualities in organizing environment-related activities (Marks – 5)</p>	<p>marks.</p> <p>3. All questions shall be compulsory with internal choice within the questions. (Each question will be of 15 marks with options.)</p>
14	<p><b>Format of Question Paper: for the final examination</b></p> <p>Q. 1. Based on Module – 1 &amp; 2 (15 Marks)</p> <p>Q. 2. Based on Module – 3 &amp; 4 (15 Marks)</p>	



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Offg. Associate Dean**  
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