

As Per NEP 2020

University of Mumbai



Syllabus for Basket of OE

Board of Studies in GEOGRAPHY

UG Three-Year Programme

Semester

III

Title of Paper -

Credits

i) Environmental Conservation
and Sustainable Development

4

From the Academic Year

2025-2026

Sr. No.	Heading	Particulars
1	Description of the course: Including but not limited to :	The “Environmental Issues and Management” curriculum is designed specifically for first-year students. It aims to explore environmental challenges, equipping students with the knowledge and skills necessary to understand, address, and manage pressing environmental issues facing our planet. In an era marked by environmental degradation, climate change, and resource depletion, addressing environmental issues has become imperative for sustainable development. This curriculum serves as a platform for students to explore the complexities of environmental challenges such as pollution, habitat destruction, and climate change, while also delving into strategies for effective environmental management and sustainable development. By fostering a deeper understanding of environmental issues and management principles, students are empowered to become advocates for positive change in their communities and beyond. The knowledge and skills gained from this curriculum are applicable across a wide range of sectors and professions. Students will develop critical thinking, problem-solving, and decision-making skills essential for identifying environmental issues, implementing mitigation measures, and promoting sustainable practices. Whether pursuing careers in environmental consulting, resource management, urban planning, or policy development, students will find the principles and concepts explored in this course invaluable for addressing contemporary environmental challenges and contributing to a more sustainable future. Professionals with expertise in environmental issues and management are in high demand across various industries and sectors. Companies and organizations are increasingly recognizing the importance of integrating environmental considerations into their operations and decision-making processes, driving the need for individuals capable of navigating complex environmental challenges and implementing solutions. Graduates of this program can pursue diverse careers.

		paths, including environmental managers, sustainability consultants, policy analysts, conservation scientists, and environmental educators, among others, contributing to a more sustainable and resilient future for society and the planet.
2	Vertical :	Open Elective
3	Type :	Theory
4	Credit:	4 credits (1 Credit = 15 Hours for Theory) per module
5	Hours Allotted :	60 Hours
6	Marks Allotted:	100 Marks
7	Pre-requisites: Students have a basic understanding of environment and sustain development Course Objectives: 1. To understand the environmental conservation and environmental movements in India 2. To create awareness among the students about environmental sustainability. 3. To raise awareness and sensitize the young masses and societies. 4. To understand the Sustainable Development Goals. 5. To create awareness among the students about environmental sustainability. 6. To relate the SDGs to an individual's life.	
8	Course Outcomes: On successful completion of this course, students will be able to: 1. Understand the concept of sustainable goals of development goals. 2. Understand the concept of environmental conservation and its practices.	
9	Modules:- Per credit, one module can be created.	
	Module 1: Understanding Environment (15 Hours)	
	1.1 Concept of environment and overview of environmental issues 1.2 Environmental conservation and protection: Concept of environmental conservation, methods, practices and policies 1.3 Environmental movements: National and intra-national	
	Module 2: Overview of Sustainable Development and SDG's (15 Hours)	
	2.1 Concept, need and factors of Sustainable Development Meaning, evolution and significance of SDGs 2.2 Overviews of the SDGS 2.3 Environmental goals: Climate action, life on land, life below water	
	Module 3: Sustainable Social Goals (15 Hours)	

	3.1 Sustainable cities and communities 3.2 Clean water and sanitation 3.3 Gender Equality Module 4: Sustainable Economic goals (15 Hours) 4.1 Sustainable agriculture and industries 4.2 Responsible consumption and production 4.3 No poverty, zero hunger and reduced inequalities
10	Text Books: 1. Bharucha Erach, 2004, Textbook for Environmental Studies, University Grants Commission, New Delhi (Available free on the web) 2. Bharucha E.,(2013), 'Textbook of Environmental Studies for undergraduate courses, Second Edition (2013). 3. Rajagopalan, R. (2011). Environmental Studies: From Crisis to Cure. India: Oxford University Press. 4. G.R. Chatwal and Harish Sharma, 2005. A textbook of Environmental Studies (Environmental Sciences), Himalaya Publishing House, Bangalore 5. घासपुरे विठ्ठल (२०१९) 'पर्यावरण शास्त्र' वसिष्ठपुरे अँड पब्लिशर्स, नागपूर. 6. देवरे, परमार, बुटाला (२०१३) 'पर्यावरण भूगोल' हिमालय पब्लिशिंग हाउस, मुंबई. 7. परमार, बोस्ले इतर (२०२२) 'पर्यावरण भूगोल' हिमालय पब्लिशिंग हाउस, मुंबई.
11	Reference Books: 1. Sharma, H. and Sobti, T. (2018). An Introduction to Sustainable Development Goals, Independently Published 2. Mishra, R.K., Krishna, P.S. and Kumari Laxmi (2019). Sustainable Development Goals: Climate Action and Zero Hunger, Academic Foundation, 3. Hazra, S. and Bhukta, A. (2020) Sustainable Development Goals: An Indian Perspective (Sustainable Development Goals Series). Springer. 4. Ahluwalia, V. K. (2015). Environmental Pollution and Health. The Energy and Resources Institute (TERI). 5. Asolekar S, Gopichandran R. 2005, 'Preventive Environmental Management - an Indian perspective', CEE, Ahmedabad, Foundation Books Pvt Ltd, Daryaganj 6. Chambers N., Simons C., Wackernagel M., 2006, 'Sharing Nature's Interest - Ecological footprints as an indicator of sustainability'. 7. Kanchi Kohli and Manju Menon (2021) Development of Environment Laws in India, Cambridge University Press. 8. Pittock, Barrie (2009). Climate Change: The Science, Impacts and Solutions. 2nd Edition. Routledge. 9. Reddy K. P., Reddy D. N. (2003) 'Environmental Education', Neelkanth Publication, Hyderabad. 10. Santra S.C. (2004) 'Environmental Science', New Central Book Agency Pvt Ltd, Kolkata. 11. Saxena H.M., (2000) 'Environmental Management', Rawat Publication, New Delhi, 12. Tiefenbacher, J (ed.) (2022), Environmental Management - Pollution, Habitat,

	Ecology, and Sustainability, Intech Open, London. 10.5772/ 13. Tiwari V., 2009, 'A textbook of Environmental studies', Himalaya Publications House, New Delhi 14. Tomar A., 2007, 'Environmental Education', Kalpaz publication, New Delhi 15. Uberoi N.K., 2007, 'Environmental Management', Excel Books, New Delhi 16. Wright R., 2008, 'Environmental Science - Towards sustainable future', Eastern 17. Economy Edition, Prentice Hall Inc., New Jersey, U.S.A 18. ढमढेरे, एस. व्ही., (२०२१) शाश्वत विकास आणि भारत, डायमंड पब्लिकेशन, पुणे 19. मुणगेकर, पी. (२०१०) 'शाश्वत विकास ध्येयांचा परिचय', नित्या पब्लिकेशन्स, भोपाळ, मध्य प्रदेश. 20. कदम, प्र. (२०२१) 'शाश्वत विकास ध्येय: ओळख', नित्या पब्लिकेशन्स, भोपाळ, मध्य प्रदेश. 21. रूभाषचंद्र रॉरिंग (१९९९) पर्ाारिण भूगोल, विद्रा प्रकाशन, नागपूर. 22. घोलप (२०००) 'पर्ाारिण शास्त्र' ननशशकािंत प्रकाशन, पुणे	
12	Internal Continuous Assessment: 40%	External, Semester End Examination : 60% Individual Passing in Internal and External Examination
13	Continuous Evaluation through: Quizzes, Class Tests, presentations, projects, role play, creative writing, assignments, etc.(at least 3) Internal Continuous Assessment of 20 Marks 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) 2. One online/ offline class test (Marks – 5) 3. Active participation in regular class instructional deliveries and fieldwork. & Overall conduct as a responsible learner, mannerism and articulation and exhibit of leadership qualities in organizing environment-related activities (Marks – 5)	Semester-End Examination of 30 Marks 1. This examination shall be of 1 Hour duration. Maximum marks 30. 2. There shall be two questions, each of 15 marks. All questions shall be compulsory with internal choice within the questions. (Each question will be of 15 marks with options.)
14	Format of Question Paper: for the final examination Q. 1. Based on Module – 1 (15 Marks) Q. 2. Based on Module -2 (15 Marks) Q. 3. Based on Module – 3 (15 Marks) Q. 4. Based on Module -4 (15 Marks)	

Sd/-

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