FIRST-YEAR OF BACHELOR OF ARTS MAJOR GEOGRAPHY REVISED SYLLABUS ACCORDING TO CBCS NEP2020

COURSE TITLE: INTRODUCTION TO ENVIRONMENTAL EDUCATION SEMESTER-I, W.E.F. 2023-2024

RECOMMENDED BY THE BOARD OF STUDIES IN GEOGRAPHY
AND
APPROVED BY THE ACADEMIC COUNCIL

DevrukhShikshanPrasarakMandal's
Nya. TatyasahebAthalye Arts, Ved. S. R. Sapre Commerce, and
Vid. DadasahebPitre Science College (Autonomous), Devrukh.

Academic Council Item No: _____

Name of the Implementing Institute	:	Nya. TatyasahebAthalye Arts, Ved. S. R. Sapre Commerce, and Vid. DadasahebPitre Science College (Autonomous), Devrukh. Tal.Sangmeshwar, Dist. Ratnagiri-415804,
Name of the Parent University	:	University of Mumbai
Name of the Programme	:	Bachelor of Arts & Commerce
Name of the Department	:	Geography
Name of the Class	:	First Year
Semester	:	First
No. of Credits	:	02
Title of the Course	:	Environmental Education
Course Code	:	GEVE101
Name of the Vertical in adherence to NEP 2020	:	Value Education Courses (VEC)
Eligibility for Admission	:	Any 12th Pass seeking Admission to Degree Programme in adherence to Rules and Regulations of the University of Mumbai and Government of Maharashtra
Passing Marks	:	40%
Mode of Assessment	:	Formative and Summative
Level	:	UG
Pattern of Marks Distribution for TE and CIA	:	30:20
Status	:	NEP-CBCS
To be implemented from Academic Year	:	2023-2024
Ordinances/Regulations(if any)		

Syllabus for First Year of Bachelor of Arts & Commerce

(With effect from the academic year 2023-2024)

SEMESTER-I

Course Title: Environmental Education **No. of Credits - 02**

Type of Vertical:Value Education Courses (VEC) **COURSE CODE: GEVE101**

Learning Outcomes Based on BLOOM's Taxonomy:

After completing the course, the learner will be able to…

Course Learning Outcome No.	Bloom's Taxonomy	Course Learning Outcome
CLO-01	Remember	Remember the fundamentals of environment, natural resources, environmental issues, biodiversity etc.
CLO-02	Understand	Understand the Changing man-environment interaction, environmental issues, ethics, biodiversity etc.
CLO-03	Apply	Apply SDG framework to local environment.
CLO-04	Analyze	Analyze the Local environmental scenario with the global environment.
CLO-05	Evaluate	Evaluate environmental treaties & its implementation.
CLO-06	Create	Create a database concerning the quality of the environment in the local area.

Syllabus for First Year of Bachelor of Arts & Commerce

(With effect from the academic year 2023-2024)

SEMESTER-I **COURSE CODE: GEVE101**

Course Title: Environmental Education **No. of Credits - 02**

Type of Vertical:Value Education Courses (VEC) **COURSE TYPE: MANDATORY**

COURSE CONTENT			
Module No.	**Content**	**Credits**	**No. of Lectures**
1	**Environment, Issues & Sustainable development:** o The man-environment interaction o Environmental Ethics and emergence of environmentalism o Natural resources: Concept, classification, depletion & Conservation o Environmental issues: Pollution, Climate change, Ozone depletion, global warming o Sustainable development goals	1	15
2	**Biodiversity and Ecosystems:** o Ecosystem: Concept, classification & energy flow in ecosystem o Biodiversity: Concept, hotspot & conservation o Environmental treaties & legislation o Use of geospatial technology for environmental conservation o Local Environmental survey	1	15
	Total	02	30

Required Previous Knowledge

No previous knowledge is required to learn the course

Access to the Course

The course is available for all the students admitted for Bachelor of Arts as a Major or a minor. The students seeking admission in other disciplines may select the course as a minor considering the terms and conditions laid down by the University of Mumbai, the Government of Maharashtra, and the college, from time to time.

Forms of Assessment

The assessment of the course will be of Diagnostic, Formative and Summative type. At the beginning of the course diagnostic assessment will be carried out. The formative assessment will be used for the Continuous Internal Evaluation whereas the summative assessment will be conducted at the end of the term. The weight age for formative and summative assessment will be 50:50. The detailed pattern is as given below.

Term End Evaluation (60 Marks)

Question Paper Patter

Time: 2.00 hours

Question No.	Unit/s	Question Pattern	Marks
Q.1	All	Fill in the Blanks	05
Q.2	All	Explain the Concepts (Understanding) (Any 2 out of 4)	10
Q.3	All	Explanatory Analytical Questions (Any 1 out of 2)	15
	Total		**30**

Internal evaluation (40 Marks)

Sr. No.	Description	Marks
1	Mid Term Examination	10
2	Active Participation in teaching learning Process	05
3	Subject related activities as assigned by the teacher	05
	Total	**20**

Grading Scale

The grading scale used is O to F. Grade O is the highest passing grade on the grading scale, and grade F is a fail. The Board of Examinations of the college reserves the right to change the grading scale.

References:

1. Fisher, Michael H. (2018) An Environmental History of India- From Earliest Times to the Twenty-First Century, Cambridge University Press.

2. Headrick, Daniel R. (2020) Humans versus Nature- A Global Environmental History, Oxford University Press.

3. Hughes, J. Donald (2009) An Environmental History of the World- Humankind's Changing Role in the Community of Life, 2nd Edition. Routledge.

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8. William P.Cunningham and Mary A. (2015) Cunningham Environmental Science: A Global Concern, Publisher (Mc-Graw Hill, USA)

9. Gilbert M. Masters and W. P. (2008). An Introduction to Environmental Engineering and Science, Ela Publisher (Pearson)

10. Singh, J.S., Singh, S.P. & Gupta, S.R. 2006. Ecology, Environment and Resource Conservation. Anamaya Publications https://sdgs.un.org/goals

11. Harper, Charles L. (2017) Environment and Society, Human Perspectives on Environmental Issues 6th Edition. Routledge.

12. Harris, Frances (2012) Global Environmental Issues, 2nd Edition. Wiley-Blackwell.

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14. Manahan, S.E. (2022). Environmental Chemistry (11th ed.). CRC Press. https://doi. org/10.1201/9781003096238

15. Rajagopalan, R. (2011). Environmental Studies: From Crisis to Cure. India: Oxford University Press.

16. Bawa, K.S., Oomen, M.A. and Primack, R. (2011) Conservation Biology: A Primer for South Asia. Universities Press.

17. Sinha, N. (2020) Wild and Wilful. Harper Collins, India.

18. Varghese, Anita, Oommen, Meera Anna, Paul, Mridula Mary, Nath, Snehlata (Editors) (2022) Conservation through Sustainable Use: Lessons from India. Routledge.

19. Bhagwat, Shonil (Editor) (2018) Conservation and Development in India: Reimagining Wilderness, Earthscan Conservation and Development, Routledge.

20. Krishnamurthy, K.V. (2003) Textbook of Biodiversity, Science Publishers, Plymouth,

21. Jackson, A. R., & Jackson, J. M. (2000). Environmental Science: The Natural Environment and Human Impact. Pearson Education.

22. Masters, G. M., & Ela, W. P. (2008). *Introduction to environmental engineering and science* (No.60457). Englewood Cliffs, NJ: Prentice Hall.

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24. Central Pollution Control Board Web page for various pollution standards. https://cpcb.nic.in/ standards/

25. Ahluwalia, V. K. (2015). *Environmental Pollution, and Health*. The Energy and Resources Institute (TERI).