



OPEN ELECTIVE COURSE (OE): BIODIVERSITY CONSERVATION

Open for First Year Graduate Student w.e.f. 2023-24

**RECOMMENDED BY THE BOARD OF STUDIES IN BOTANY
AND**

APPROVED BY THE ACADEMIC COUNCIL

Devrukh Shikshan Prasarak Mandal's

Nya. Tatyasaheb Athalye Arts, Ved. S. R. Sapre Commerce, and
Vid. Dadasaheb Pitre Science College (Autonomous), Devrukh.
Tal.Sangmeshwar, Dist. Ratnagiri-415804, Maharashtra, India

Academic Council Item No: 3 dated 08/07/2023

Name of the Implementing Institute	:	Nya. Tatyasaheb Athalye Arts, Ved. S. R. Sapre Commerce, and Vid. Dadasaheb Pitre Science College (Autonomous), Devrukh. Tal. Sangmeshwar, Dist. Ratnagiri-415804,
Name of the Parent University	:	University of Mumbai
Name of the Programme	:	Bachelor of Commerce
Name of the Class to Which the course is Open	:	First Year, Semester Second
No. of Credits	:	02
Title of the Course	:	Biodiversity Conservation
Course Code	:	BTOE104
Passing Marks	:	40%
Nature of Course	:	Open Elective (OE)
Level	:	UG
Pattern	:	60:40
Status	:	Multidisciplinary- Open to all in the First Year
To be implemented from Academic Year	:	2023-2024

Syllabus for Open Elective Course (OE)
(With effect from the academic year 2023-24)

SEMESTER-II

Paper No.– II

Course Title: Biodiversity Conservation

No. of Credits - 02

Type of Vertical: Open Elective Course

C.CODE:BTOE104

Learning Outcomes Based on BLOOM’s Taxonomy:

After completing the course, the learner will be able to...		
Course Learning Outcome No.	Blooms Taxonomy	Course Learning Outcome
CLO-01	Remember	Recall the concept of biodiversity, threats to the biodiversity, biodiversity conservation.
CLO-02	Understand	Explain the role and importance of biodiversity, conservation.
CLO-03	Apply	Apply the concepts of biodiversity conservation in vicinity.
CLO-04	Analyse	Differentiate changing patterns of biodiversity, conservation.
CLO-05	Evaluate	Justify significance of biodiversity and its conservation.

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SEMESTER-II

Paper No.– II

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No. of Credits - 02

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COURSE CONTENT			
Module No.	Content	Credit	Lectures (1 Hr.)
1	<p>Biodiversity</p> <p>Introduction- Definition: genetic, species and ecosystem diversity.</p> <p>Bio-geographical classification of India.</p> <p>Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values.</p> <p>India as a mega- diversity nation.</p> <p>Western Ghat as a biodiversity region.</p> <p>Hot-spots of biodiversity.</p>	01	15
2	<p>Threats to biodiversity:</p> <p>Habitat loss,</p> <p>poaching of wildlife,</p> <p>man- wildlife conflicts,</p> <p>Endangered and endemic species of India</p> <p>Conservation of biodiversity:</p> <p>In-situ conservation of biodiversity</p> <p>Ex- situ conservation of biodiversity</p>	01	15
Total		02	30

Required Previous Knowledge

Basic Knowledge of biodiversity and its conservation, disaster management and its protection acts is necessary before starting to learn the course

Access to the Course

The course is available for all the students admitted for Bachelor Degree as Open elective. The students seeking admission to this course 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 weightage for formative and summative assessment will be 60:40. The detailed pattern is as given below.

Term End Evaluation (30 Marks)

Question Paper Pattern

Time: 1:15 hours

Question No.	Unit/s	Question Pattern	Marks
Q.1	All	Multiple Choice Question/Fill in the Blanks	06
Q.2	I	Explain the Concepts (Understanding) (Any 2 out of 4)	08
Q.3	II	Explanatory Analytical Questions (Any 2 out of 4)	08
Q.4	All	Attempt any Two question from the following (Applied Questions)	08
Total			30

Internal evaluation (20 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:

Heywood, V.H.& Watson, R.T.1995, Global Biodiversity Assessment, Cambridge Univ. Press
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Jadhav, H.& Bhosale, V.M.1995, Environmental Protection and Laws, Himalaya Pub. Hcuse,
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Wagner K.D.,1998, Environmental management, W.B. Saunders Co.Philadelphia, USA 499p.
Gholap T.N. Paryavaran shastra –