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

COURSE TITLE: APPLIED GEOMORPHOLOGY
SEMESTER-II, W.E.F. 2023-2024

RECOMMENDED BY THE BOARD OF STUDIES IN GEOGRAPHY
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: 03

Name of the Implementing Institute	:	Nya. TatyasahebAthalye 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	:	Master of Arts
Name of the Department	:	Geography
Name of the Class	:	First Year
Semester	:	Second
No. of Credits	:	04
Title of the Course	:	Applied Geomorphology
Course Code	:	A510GET
Name of the Vertical in adherence to NEP 2020	:	Major
Eligibility for Admission	:	UG Degree in Geography
Passing Marks	:	40%
Mode of Assessment	:	Formative and Summative
Level	:	PG
Pattern of Marks Distribution for TE and CIA	:	60:40
Status	:	NEP-CBCS
To be implemented from the Academic Year	:	2023-2024
Ordinances/Regulations(if any)		

Syllabus for First Year of Master of Arts in Geography

(With effect from the academic year 2023-2024)

SEMESTER-II **Paper No.–I**

Course Title: Applied Geomorphology **No. of Credits - 04**

Type of Vertical: Major **COURSE CODE:** A510GET

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	Definitions of Applied Geomorphology.
CLO-02	Understand	Understand the relevance of Geomorphic Understandings to tackle Geomorphic Hazards
CLO-03	Apply	Apply the Geomorphic Understandings to Tackle Geomorphic Hazards
CLO-04	Analyse	Analyse the Geomorphic Hazards
CLO-05	Evaluate	Evaluate the Sustainable methods to tackle the Geomorphic Hazards
CLO-06	Create	Create a Hazard Management Model

Syllabus for First Year of Master of Arts in Geography

(With effect from the academic year 2023-2024)

SEMESTER-II **Paper No.–I**

Course Title: Applied Geomorphology **No. of Credits - 04**

Type of Vertical: Major **COURSE CODE:** A510GET

Topic No.	Content	Credits	No. of Lectures
1	**Introduction to Applied Geomorphology** o Definitions of Applied Geomorphology o Nature of Applied Geomorphology o Scope of Applied Geomorphology o Evolution and Scope of Applied Geomorphology	01	15
2	Understanding the Mass Movement o Mass Movement: Concept and Classification o Fall and Geomorphology o Landslides and Geomorphology o Slumping and Geomorphology o Flow and Geomorphology	01	15
3	**Specific Applications** o Geomorphology and Hydrology o Geomorphology and Mineral Exploration o Geomorphology and Engineering Works o Geomorphology and Military Geology	01	15
4	**Specific Applications** o Geomorphology and Urbanization o Geomorphology and Hazard Management o Geomorphology and Regional Planning o Geomorphology and Forest Management	01	15
	Total	04	60

Required Previous Knowledge

No previous Knowledge is necessary to learn the course.

Access to the Course

The course is available for all the students admitted for Master of Arts.

Methods of Assessment:

The assessment pattern would be 60:40, 60% for Semester End Examination (SEE) and 40 % for Continuous Internal Assessment (CIA). The structure of the SEE and CIA would be as recommended by the Board of Studies and approved by the Board of Examination and the Academic Council of the college.

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:

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3. Brierley, G.J. & Fryirs, K.A.(2005): Geomorphology and River Management, Blackwell Publishing. Oxford UK.
4. Briggs, K.(1985): Physical Geography Process and System, Hodder and Stoughton, London.
5. Bunnett, R. B. (1965): "Physical Geography in Diagrams", Parson Education, New Delhi
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10. Engeln, O. D. Von (1944), ‘Geomorphology’, The Macmillan Company, New York.
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12. Hussain, Majid (2001): “Fundamentals of Physical Geography”, Rawat Publications, Jaipur.
13. Lal, D. S. (2009): “Physical Geography: Sharada Pustak Bhavan, Allahabad
14. Mishra, B. (2008): “Interpreting Contours and Topographical Maps”, Frank Bros. and Co., New Delhi
15. Mishra, R. P., and Ramesh, A. (2002): “Fundamentals of Cartography”, Concept Publishing Company, New DelhiAnhert, F., (1996), ‘Introduction to Geomorphology’, Arnold, London, Sydney, Aukland
16. Mitchell, C. E. (1973), ‘Terrain Evaluation’, Longmans, London.
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18. Qazi, S. A. (2009): “Principles of Physical Geography”, APH Publishing Corporation, New Delhi
19. Singh, L. R. (2009): “Fundamentals of Practical Geography”, Sharda Pustak Bhavna, Allahabad
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21. Sparks B. W. (1988): “An Introduction to Geomorphology”, Longman, London
22. Strahler A. (1996), ‘Physical Geography: Science and System of the Human Environment’, John Willey, New York.
23. Strahler, A. H. and Strahler, A. N. (1992): “Modern Physical Geography”, John Willey & Sons,
24. Thornberry, W.D. (1998), ‘Principles of Geomorphology’, New Age International Press, New Delhi.