FIRST-YEAR OF BACHELOR OF ARTS VOCATIONAL SKILL COURSE CONNECTED TO MAJOR GEOGRAPHY REVISED SYLLABUS ACCORDING TO CBCS NEP2020

COURSE TITLE: INTRODUCTION TO MAP ELEMENTS SEMESTER-I, 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. 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 Arts
Name of the Department	:	Geography
Name of the Class	:	First Year
Semester	:	First
No. of Credits	:	02
Title of the Course	:	Introduction to Map Elements
Course Code	:	GEVS101
Name of the Vertical in adherence to NEP 2020	:	Vocational Skill Courses (VSC) connected to Major
Eligibility for Admission	:	Any 12^{th} Pass seeking Admission to Degree Programme in adherence to Rules and Regulations of the University of Mumbai and Government of Maharashtra and opting Geography as an optional subject is eligible to choose the course
Passing Marks	:	40%
Mode of Assessment	:	Summative
Level	:	UG
Pattern of Marks Distribution for TE and CIA	:	NA
Status	:	NEP-CBCS
To be implemented from Academic Year	:	2023-2024
Ordinances /Regulations (if any)		

Syllabus for Vocational Skill Course Connected to Major Geography

(With effect from the academic year 2023-2024)

SEMESTER-I **COURSE CODE: GEVS101**

Course Title: Introduction to Map Elements **No. of Credits - 02**

Type of Vertical: Vocational Skill Courses (VSC) connected to Major

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	Remember the fundamentals of Map Elements
CLO-02	Understand	Understand different types of map elements and its relevance.
CLO-03	Apply	Apply Map Elements for the preparation of Maps.
CLO-04	Analyze	Analyze the correlation between different Map Elements
CLO-05	Evaluate	Evaluate the map elements used in different maps.
CLO-06	Create	Create a map using the map elements.

Syllabus for Vocational Skill Course Connected to Major Geography

(With effect from the academic year 2023-2024)

SEMESTER-I **COURSE CODE: GEVS101**

Course Title: Introduction to Map Elements **No. of Credits - 02**

Type of Vertical: Vocational Skill Courses (VSC) connected to Major

COURSE CONTENT			
Module No.	**Content**	**Credits**	**No. of Lectures**
1	**Map Scale** o Concept of Map Scale o Types of Map Scale o Conversion of Map Scales o Drawing different Types of Graphical Scales	01	15
2	**Map Projections** o Concept and Classification of Map Projections o Drawing the Zenithal Map Projections- Zenithal Polar Equal Area and Equidistant Projections o Drawing the Cylindrical Map Projections- Cylindrical Equal Area and Equidistant Projections o Drawing the Conical Map Projections- One Standard Parallel and Two Standard Parallel Map Projections		15
3	**Signs and Symbols** o Concept and Classification of Signs and Symbols o Signs and Symbols used in Topographical Maps o Signs and Symbols used in Weather Maps o Signs and Symbols used in Thematic Maps	01	15
4	**Direction and Distance** o Concept of Directions o Understanding the directions on Map and in real world o Concept of Distance and its Types o Distance measurement on Map- Absolute and Relative		15
	Total	02	60

Required Previous Knowledge

No previous knowledge is required to learn the subject.

Access to the Course

The course is available for all the students admitted for Bachelor of Arts and selected Geography as an optional Subject.

Methods of Assessment:

Vocational skill Courses, Skill Enhancement Courses and courses having laboratory sessions shall be assessed at the end of each semester.

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. Slocum, Terry A., 1999, Thematic Cartography and Visualization, Prentice-Hall, Upper Saddle Creek, NJ. www.prenhall.com/slocum
2. MacEachren, Alan M. 1994. Some Truth with Maps: A Primer on Symbolization and Design, Resource Publications in Geography, Washington, DC
3. Carter, James, 1984 Computer Mapping (Progress in the '80s), Resource Publications in Geography, Washington, DC: Association of American Geographers.
4. Dent, Borden D., 1999, Cartography: Thematic Map Design, 5th edition, Boston: WCB/McGraw-Hill.
5. Jones, Christopher, 1997, Geographical Information Systems and Computer Cartography, Harlow, U.K., Addison-Wesley Longman.
6. Kraak, Menno-Jan, Ormeling, Ferjan, 1996, Cartography: Visualization of Spatial Data, Addison-Wesley Publishing.
7. Madej, Ed., 2000, Cartographic Design Using Arcview GIS, 1st edition, OnWord Press.
8. Monmonier, Mark, 1996, How to Lie With Maps, 2nd.Edition, Chicago: University of Chicago Press
9. Monmonier, Mark, 1997, Cartographies of Danger, Mapping Hazards in America, Chicago: University of Chicago Press.
10. MacEachren, Alan, M., 1995, How Maps Work, Representation, Visualization, and Design, Guilford Press
11. Robinson, Arthur H., Morrison, Joel L., Muehrcke, Phillip C. and Stephen C. Guptill, 1995, Elements of Cartography, 6th edition, NY: John Wiley & Sons
12. ESRI, Serving Maps on the Internet, Redlands CA: ESRI Press