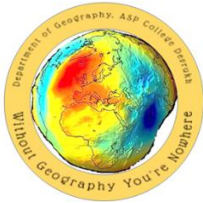




**FIRST-YEAR OF MASTER OF ARTS
MAJOR GEOGRAPHY REVISED SYLLABUS
ACCORDING TO CBCS NEP2020**

**COURSE TITLE: DIGITAL CARTOGRAPHY- PRACTICAL
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**

| | | |
|---|---|--|
| 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 | : | First |
| No. of Credits | : | 02 |
| Title of the course | : | Digital Cartography- Practical |
| Course Code | : | A508GEP |
| Name of the Vertical in adherence to NEP 2020 | : | Major Elective |
| Eligibility for Admission | : | UG Degree in Geography |
| Passing Marks | : | 40% |
| Mode of Assessment | : | Summative |
| Level | : | PG |
| Pattern of Marks Distribution for TE and CIA | : | NA |
| 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-I

Paper No.–VIII

Course Title: Digital Cartography- Practical

No. of Credits - 02

Type of Vertical: Major Elective

COURSE CODE: A508GEP

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 Q-GIS. |
| CLO-02 | Understand | Understand how to incorporate the elements of maps using Q-GIS. |
| CLO-03 | Apply | Apply Q-GIS in Thematic Mapping |
| CLO-04 | Analyse | Analyze the different types of thematic maps prepared through Q-GIS |
| CLO-05 | Evaluate | Evaluate the infographics provided through thematic maps in Q-GIS |
| CLO-06 | Create | Create his/her thematic map using Q-GIS |

Syllabus for First Year of Master of Arts in Geography

(With effect from the academic year 2023-2024)

SEMESTER-I

Paper No.–VIII

Course Title: Digital Cartography- Practical

No. of Credits - 02

Type of Vertical: Major Elective

COURSE CODE: A508GEP

| Module No. | Content | Credits | No. of Lectures |
|-------------------|---|----------------|------------------------|
| 1 | Spatial Thematic Maps Using Q-GIS <ul style="list-style-type: none">○ Choropleth Map○ Dot Map: Simple and Proportionate○ Choro-Chromatic Map○ Choro-Schematic Map○ Isopleth Map○ Isoline Maps○ Proportionate Symbols: Located Proportional Circles, Located Divided Circles, located proportionate and Divided Circles, Located Bars, Located Line Graph,○ Located Square Map | 01 | 30 |
| 2 | Qualitative Thematic Maps Using Q-GIS <ul style="list-style-type: none">○ Communication and Transportation Maps○ Ethnography Maps○ Linguistic Maps○ Military History Maps○ Urban Planning Maps○ Pictorial Map○ Land Used and Land Cover Map | 01 | 30 |

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:

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.

Reference Books:

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

11. MacEachren, Alan, M., 1995, How Maps Work, Representation, Visualization, and Design, Guilford Press
12. Robinson, Arthur H., Morrison, Joel L., Muehrcke, Phillip C. and Stephen C. Guptill, 1995, Elements of Cartography, 6th edition, NY: John Wiley & Sons
13. ESRI, Serving Maps on the Internet, Redlands CA: ESRI Press.