

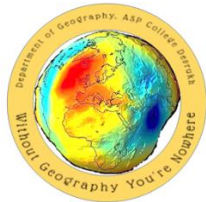


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**FIRST-YEAR OF MASTER OF ARTS  
MAJOR GEOGRAPHY REVISED SYLLABUS  
ACCORDING TO CBCS NEP2020**

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**COURSE TITLE: TOOLS AND TECHNIQUES IN  
SPATIAL ANALYSIS -II  
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**

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	:	Master of Arts
Name of the Department	:	Geography
Name of the Class	:	First Year
Semester	:	Second
No. of Credits	:	02
Title of the Course	:	Tools and Techniques in Spatial Analysis-II
Course Code	:	A514GEP
Name of the Vertical in adherence to NEP 2020	:	Major
Eligibility for Admission	:	Any Graduate 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 II**

**Paper No.-13**

**Course Title: Tools and Techniques in Spatial Analysis-II**

**No. of Credits - 02**

**Type of Vertical: Major Elective**

**COURSE CODE: A514GEP**

### 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 measures of central tendency
CLO-02	Understand	Understand the fundamentals of data analysis
CLO-03	Apply	Apply statistical Techniques
CLO-04	Analyse	Quantitative and Qualitative Data
CLO-05	Evaluate	
CLO-06	Create	

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**SEMESTER II**

**Paper No.-13**

**Course Title: Tools and Techniques in Spatial Analysis-II**

**No. of Credits - 02**

**Type of Vertical: Major Elective**

**COURSE CODE: A514GEP**

<b>Module No.</b>	<b>Content</b>	<b>Credits</b>	<b>No. of Lectures</b>
1 2	Use of Google services for data collection <ul style="list-style-type: none"><li>○ E-Questionnaire</li><li>○ Converting a questionnaire to Excel sheet format</li><li>○ Data editing in Excel</li><li>○ Simple statistical analysis in Excel</li><li>a. Data exporting from Excel to SPSS</li></ul> Introduction To SPSS <ul style="list-style-type: none"><li>○ Starting SPSS In Windows</li><li>○ Data Editor</li><li>○ Output Viewer</li><li>○ Syntax Editor</li><li>○ Script Editor</li><li>○ Data Editor Toolbar</li><li>○ Menu Bar</li></ul>	01	30
	Creating Data Files In SPSS <ul style="list-style-type: none"><li>○ Defining Variables</li><li>○ Entering Data</li><li>○ Frequency Distribution</li><li>○ Measures Of Central Tendency</li><li>○ Generating Tables</li></ul> Correlation And Regression <ul style="list-style-type: none"><li>○ Correlation Through Cross Tabs</li><li>○ Correlation Through Correlate Bivariate</li><li>○ Simple Regression</li><li>○ Multiple Regression</li></ul>	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.

## **References:**

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19. Wilcox, P.R. (2003), Applying Contemporary Statistical Techniques, Academic Press, Amsterdam
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