



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

COURSE TITLE: TOOLS AND TECHNIQUES IN AGRICULTURAL
GEOGRAPHY
SEMESTER-IV, W.E.F. 2024-2025

**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	:	Master of Arts
Name of the Department	:	Geography
Name of the Class	:	Second Year
Semester	:	Fourth
No. of Credits	:	02
Title of the Course	:	Tools and Techniques in Agricultural Geography
Course Code	:	A616GEP
Name of the Vertical in adherence to NEP 2020	:	Major Elective
Eligibility for Admission	:	-
Passing Marks	:	40%
Mode of Assessment	:	Summative
Level	:	PG
The pattern of Marks Distribution for TE and CIA	:	
Status	:	NEP-CBCS
To be implemented from the Academic Year	:	2024-2025
Ordinances/Regulations (if any)	:	

Syllabus for Second Year of Bachelor of Arts in Geography

(With effect from the academic year 2024-2025)

SEMESTER-IV

Paper No.–XVI-P

Course Title: Tools and Techniques in Agricultural Geography

No. of Credits - 02

Type of Vertical: Major Elective

COURSE CODE: A616GEP

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 statistical techniques in agricultural data analysis.
CLO-02	Understand	describe the statistical techniques in agricultural data analysis.
CLO-03	Apply	apply the statistical techniques in agricultural data analysis.
CLO-04	Analyze	illustrate the spatial and temporal patterns of agriculture.
CLO-05	Evaluate	choose an appropriate technique for the representation of agricultural data.
CLO-06	Create	create thematic maps to depict the patterns related to agriculture.

Syllabus for Second Year of Bachelor of Arts in Geography

(With effect from the academic year 2024-2025)

SEMESTER-IV

Paper No.–VII-P

Course Title: Tools and Techniques in Agricultural Geography

No. of Credits - 02

Type of Vertical: Major Elective

COURSE CODE: A616GEP

COURSE CONTENT			
Module No.	Content	Credits	No. of Lectures
1	<p>Statistical Analysis in Agricultural Geography</p> <ul style="list-style-type: none"> ○ Crop Combination ○ Crop Diversification ○ Crop Concentration ○ Application of measures of central tendency in Agricultural Geography using real-time data ○ Cropping pattern ○ Cropping Intensity 	01	30
2	<p>Agricultural Indices:</p> <ul style="list-style-type: none"> ○ Index of area under crop ○ Index of net sown area ○ Index of cropping pattern ○ Index of yield ○ Index of productivity per hectare net sown area ○ Relative Yield Index ○ Relative Spread Index 	01	30
	Total	0	

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. Husain M. (2010) Systematic Agricultural Geography, Rawat Publications
2. Bansil, B. C. (1975): 'Agricultural Problems of India', Delhi.
3. Bayliss Smith, T.P. (1987) : The Ecology of Agricultural Systems. Cambridge University Press, London .
4. Berry, B.J.L. et. al.(1976) : The Geography of Economic Systems. Prentice Hall, New York.
5. Gregor, H.P.: Geography of Agriculture. Prentice Hall, New York, 1970.
6. Grigg, D. (1984): 'An Introduction to Agricultural Geography', Hutchinson Publication, London
7. Grigg, D.B.(1974) : The Agricultural Systems of the World. Cambridge University Press, New York.
8. Hartshorn, T.N. and Alexander, J.W. (1988): Economic Geography. Prentice Hall, New Delhi.
9. Morgan W.B. and Norton, R.J.C. (1971): Agricultural Geography. Methuen, London,
10. Morgan, W. B. and Munton, R. J. C. (1977): 'Agricultural Geography' Methuen, London.
11. Morgan, W.B.(1978): Agriculture in the Third World - A Spatial Analysis. Westview Press, Boulde.
12. Sauer, C. O. (1952): 'Agricultural Origins and Dispersals', American Geographical Journal
13. Sauer, C.O.(1969): Agricultural Origins and Dispersals. M.I.T. Press, Mass, U.S.A.
14. Singh J.(1997): Agricultural Development in South Asia: A Comparative A Study in the Green Revolution Experiences, national Books Organization, New Delhi.
15. Singh, J. and Dhillon, S. S. (1984): 'Agricultural Geography', McGraw Hill, New Delhi.
16. Singh, J. and Dhillon, S.S. (1988), "Agricultural Geography", 2nd edition, Tata McGraw-Hill, NewDelhi
17. Symons, L. (1972): 'Agricultural Geography', Bell and Sons, London
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