

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)



**Structure and Curriculum of Four Year Multidisciplinary Degree
(Honors/Research) Programme with Multiple Entry and Exit
option**

Undergraduate Programme of Humanities and Social Sciences

B.A. (Honors/Research) in Geography

Board of Studies

in

Geography

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

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w.e.f. June, 2023
Rajarshi Shahu Mahavidyalaya,
(In accordance with NEP-2020)

Review Statement

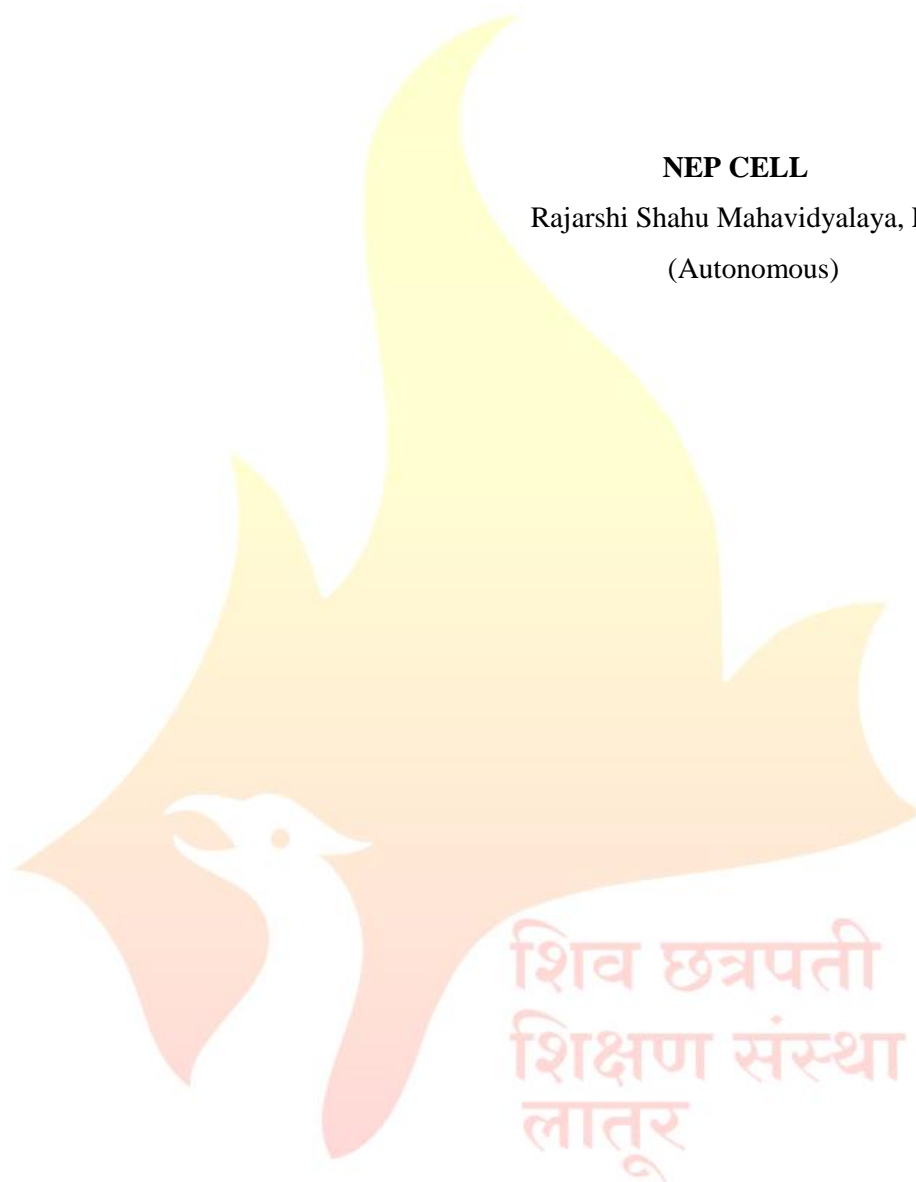
The NEP CELL reviewed the Curriculum of **B.A. (Honors/Research) in Geography** Programme to be effective from the **Academic Year 2023-24**. It was found that, the structure is as per the NEP-2020 guidelines of Govt. of Maharashtra.

Date: 06/12/2023

Place: Latur

NEP CELL

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CERTIFICATE

I hereby certify that the documents attached are the Bonafide copies of the curriculum of **B.A. (Honors/Research) in Geography** Programme to be effective from the academic year 2023-24.

Date: 04/12/2023

Place: Latur



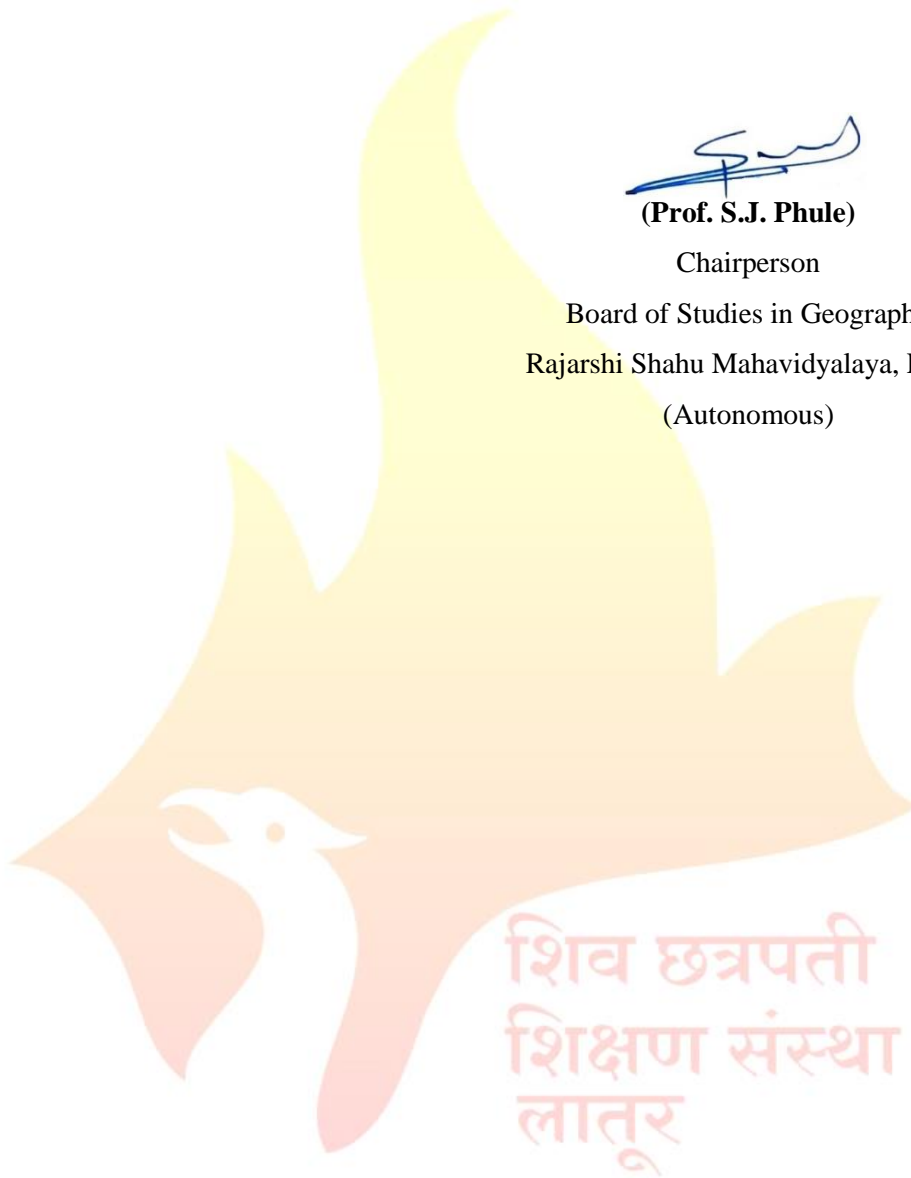
(Prof. S.J. Phule)

Chairperson

Board of Studies in Geography

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Members of Board of Studies in the Subject Geography
Under the Faculty of Humanities and Social Sciences

Sr. No.	Name	Designation	In position
01.	Prof. Suresh Phule Head, Department of Geography Rajarshi Shahu Mahavidyalaya (Autonomous), Latur	Chairperson	HoD
02.	Dr. Sunita Shinde Department of Geography Smt. Sushiladevi Mahila Mahavidyalaya, Latur	Member	V. C. Nominee
03.	Prof. A. Balakishan Department of Geography Osmania University, Hyderabad	Member	Academic Council Nominee
04.	Dr. Sunil Akhare S.G university, Amaravati	Member	Academic Council Nominee
05.	Dr. Jagdish Sapkale Shivaji University, Kolhapur	Member	Expert from outside for Special Course
06.	Mr. Venkatesh Pawar Director, Sahyadri Tour, Latur	Member	Expert from Industries
07.	Mr. Baliram Borade GIS Analyst, Deduce Technology, Bongalore	Member	P.G. Alumnus
08.	Dr. Omprakash Shahapurkar	Member	Faculty Member
09.	Mr. Dattatraya Sonkamble	Member	Faculty Member
10.	Dr. Vijay Dalvi	Member	Faculty Member
11.	Dr. Kishor Shinde	Member	Faculty Member
12.	Dr. Abhijeet Yadav	Member	Member From Same Faculty

From the Desk of the Chairperson...

The BoS is designed to emphasize the teaching learning process at the B.A. level to Sensitize and train the students to develop a sound and systematic approach regarding mechanism and processes of natural and human activities. The focus is to help the students to understand the latest tools and techniques, which would help in giving focused and precise understanding of Geographical phenomenon. The purpose is to enhance the capability of the students is perceiving, creating and analyzing sound geographical bases and concepts.

This syllabus is designed to emphasize the teaching and learning process at the undergraduate (B.A.) from teacher centric to student centric by strengthening the quality of teaching and learning in the present day real life scenario of global, regional and local level. It is considered learning as an activity of creativity of innovations and analyzing geographical phenomena. The BoS of Geography prepared the major learning outcomes, which would help the students to understand and critically analyze various dimensions of the geographical issues.

According to The NEP-2020 we have include environment education such as pollution, conservation of biological diversity, management of biological resource and biodiversity. Forest and wildlife conservation and sustainable development etc.

As the chairman board of studies in Geography, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur happy to state here that the programme Specific Outcomes have been finalized in the meeting of all the members board of studies.

The following objectives would be achieved:

1. To orient the students towards identification and analysis of various facts of geographical features and processes.
2. To develop students aptitude for acquiring basic skills of carrying out field work.
3. To facilitate the students to learn skills of map making.
4. To guide students to learn the science and art of collecting, processing and interpreting the data.
5. To expose the students to the use of the updated technologies of remote sensing, Geographical Information System (GIS)

As the chairman of the Board of Studies, I strongly believe that, the framed syllabus will definitely meet the need of the students at present.

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(Prof. S.J. Phule)

Chairperson

Board of Studies in Geography

Rajarshi Shahu Mahavidyalaya,
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Index

Sr. No.	Content	Page No.
1	Structure for Four Year Multidisciplinary UG Programme	1
2	Abbreviations	2
3	Courses and Credits	3
4	UG Program Outcomes	4
5	Curriculum: Semester - I	5
6	DSC I : Introduction to Geography	6
7	DSC II : Human Geography	8
8	Lab Course-I	10
9	VSC-I : Introduction to Natural Hazards –I	12
10	Curriculum: Semester – II	14
11	DSC-III : Population Geography	15
12	DSC-IV: Geomorphology	17
13	Lab Course-II	19
14	VSC-II : Introduction to Natural Hazards-II	21
15	Basket I: Generic/Open Elective (GE/OE)	23
16	Basket II: Skill Enhancement Courses (SEC)	24
17	Basket III: Ability Enhancement Courses (AEC)	25
18	Extra Credit Activities	26
19	Examination Framework	28

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Faculty of Humanities and Social Sciences

Structure for Four Year Multidisciplinary Undergraduate Degree Programme in Geography

Multiple Entry and Exit (In accordance with NEP-2020)

Year & Level	Sem.	Major		Minor	GE/OE	VSC/ SEC (VSEC)	AEC/ VEC	OJT,FP,CE P, RP	Credit per Sem.	Cum./Cr. per exit
		DSC	DSE							
1	2	3		4	5	6	7	8	9	10
I 4.5	I	DSC I: 04 Cr. DSC II: 04 Cr.	NA	NA	GE-I: 04 Cr.	VSC-I: 02 Cr. SEC-I: 02 Cr.	AEC-I MIL: 02 Cr. VEC-I: 02 Cr.	CC-I: 02 Cr. (NSS, NCC, Sports, Cultural)/ CEP-I: 02 Cr. (SES-I)/ OJT: 02 Cr. / Mini Project: 02 Cr.	22	44 Cr. UG Certificate
	II	DSC III: 04 Cr. DSC IV: 04 Cr.	NA	NA	GE-II: 04 Cr.	VSC- II: 02 Cr. SEC- II: 02 Cr.	AEC-II MIL: 02 Cr. VEC-II: 02 Cr.	Generic IKS : 02 Cr.	22	
	Cum . Cr.	16	-	-	08	04+04 = 08	04+02+02 =08	04	44	
Exit Option: Award of UG Certificate in Major with 44 Credits and Additional 04 Credits Core NSQF Course/Internship or continue with Major and Minor										

Abbreviations:

1. DSC : Discipline Specific Core (Major)
2. DSE : Discipline Specific Elective (Major)
3. DSM : Discipline Specific Minor
4. GE/OE : Generic/Open Elective
5. VSEC : Vocational Skill and Skill Enhancement Course
6. VSC : Vocational Skill Courses
7. SEC : Skill Enhancement Course
8. AEC : Ability Enhancement Course
9. MIL : Modern Indian Languages
10. IKS : Indian Knowledge System
11. FSRCE : Fostering Social Responsibility & Community Engagement
12. VEC : Value Education Courses
13. OJT : On Job Training
14. FP : Field Projects
15. CEP : Community Engagement and Service
16. CC : Co-Curricular Courses
17. RP : Research Project/Dissertation
18. SES : Shahu Extension Services



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B.A. (Honors/Research) in Geography

Year & Level	Semester	Course Code	Course Title	Credits	No. of Hrs.
I 4.5	I	101GEO1101 (DSC-I)	Introduction to Geography	03	45
		101GEO1102 (DSC-II)	Human Geography	03	45
		101GEO1103	Lab Course –I	02	60
		GE-I	General Geography	04	60
		101GEO1501 (VSC-I)	Introduction to Natural Hazards-I	02	30
		(SEC-I)	Tourism and Travel Management	02	30
		(AEC-I)	From Basket	02	30
		(VEC-I)	Constitution of India	02	30
		AIPC/OJT-I	Mini Project	02	60
	Total Credits			22	
	II	101GEO2101 (DSC-III)	Population Geography	03	45
		101GEO2102 (DSC-IV)	Geomorphology	03	45
		101GEO2103	Lab Course – II	02	60
		GE-II	General Geography	04	60
		101GEO2401			
		101GEO2501 (VSC-II)	Introduction to Natural Hazards-II	02	60
		(SEC-II)	Tourism and Travel Management	02	30
		(AEC-II)	From Basket	02	30
		(VEC-II)	FSRCE (CBPR)	02	30
		Generic IKS	Introduction to Indian Knowledge System	02	30
	Total Credits			22	
Total Credits (Semester I & II)				44	



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Programme Outcomes (POs) for B.A. Programme	
PO No.	After completion of this programme the students will be able to
PO 1	Gather the information and knowledge of basics in geography.
PO 2	This knowledge will understand and survive the life with geographical situation around us, which varies spatially and temporally.
PO 3	Have firm foundations in the fundamentals and application of recent Geographical and scientific theories.
PO 4	The data and knowledge of these courses in present program will help to students to become sustain and compete in competitive world.
PO 5	Interpret and analyze quantitative data.
PO 6	Students to understand the natural processes on the earth and beneath the earth surface, which directly and indirectly affecting on the human life.
PO 7	Contribute to expand their Research Skill.
PO 8	Apply the Geographical Information Technology for Sustainable Development of the Nation.

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Semester - I

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Department of Geography

Course Type: DSC - I

Course Title: Introduction to Geography

Course Code: 101GEO1101

Credits: 03

Max.Marks:75

Hours: 45

Learning Objectives:

- LO 1. To introduce the concepts of geography.
- LO 2. To introduce the concepts of universe and solar system.
- LO 3. To familiarize the concept rotation and revolution of earth.
- LO 4. To understand concept of region, geographical region and their types.

Course Outcomes:

After completion of course the student will be able to

- CO 1. Understands the concept of geography.
- CO 2. Know the universe & solar system, its structure, its function, relations among them, elements of solar system.
- CO 3. Describe the concept rotation and revolution of earth and its effects.
- CO 4. Recognize the region and various types of regions in the world.

Unit No.	Title of Unit & Contents	Hrs.
I	Introduction to Geography	12
	1. Meaning, Nature and Scope of Geography 2. Main Branches of Geography-Physical and Human Geography 3. Importance of Geography Unit Outcomes: UO 1. To introduce the concepts of geography.	
II	The Universe and Solar System	12
	1. The Universe 2. The Solar System 3. Lunar and Solar Eclipse Unit Outcomes: UO 1. To introduce the concepts of universe and solar system.	
III	The Earth	11

	1. Introduction 2. Rotation of the Earth and It's Evidences and Effects. 3. Revolution of the Earth and It's Evidences and Effects.	
	Unit Outcomes: UO 1. To familiarize the concept rotation and revolution of earth.	
IV	Geographical Regions	11
	1. Mountains 2. Plateaus 3. Plains 4. Islands	
	Unit Outcomes: UO 1. To understand concept of region, geographical region and their types.	

Learning Resources:

1. प्राकृतिक भूगोल - दाते व सौ.दाते, विद्याप्रकाशन, नागपूर, 1995
2. भू-विज्ञान- दाते व सौ.दाते, अनिरुद्ध पब्लिकेशन हाउस, पुणे, -2015
3. भूपशास्त्र- डॉ.सुरेश फुले, विद्याभारती प्रकाशन, लातूर, 2002
4. प्राकृतिक भूगोल - शेटे, फुले, शहापूरकर विद्याभारती पब्लिकेशन, लातूर, 1997
5. प्राकृतिक भूगोल - चौधरी व चव्हाण, प्रशांत पब्लिकेशन, जळगाव, 2009
6. भूगोलशास्त्राची मुलतत्वे- कोलते, भोयर, पुराणिक, कुबडे, विद्या प्रकाशन, नागपूर, 1989
7. भौतिक भूगोल- डॉ. चौहान, अलका गौतम, रस्तोगी पब्लिकेशन मेरठ, 1994
8. Geographical Thought-A Contextual History of Ideas: Dikshit, R.D. Prentice Hall of India Pvt. Ltd. 2000.
9. Evolution of Geographical Thought: Husain, Majid, Rawat Publications, Jaipur. 1984.
10. Explanations in Geography: Harvey, David, Edward-Arnold, London. 1972.
11. Principles of Physical Geography: Monkhouse, F.J., Hodder and Stoughton, London.
12. The Nature of Geography: Hortshorne, Richard., Rawat publication Jaipur, 1994
13. <https://pressbooks.howardcc.edu/worldgeography/chapter/one/>

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Department of Geography

Course Type: DSC-II

Course Title: Human Geography

Course Code: 101GEO1102

Credits: 03

Max. Marks.: 75

Lectures: 45

Hrs.

Learning Objectives:

- LO 1. To make students aware about man and environment relationships.
- LO 2. To understand the human capabilities to adopt and modify the environment conditions.
- LO 3. To know the concepts of Human Geography.

Course Outcomes:

After completion of course the student will be able to-

- CO 1. Strengthen the man and environment relationship.
- CO 2. work over human capability to adopt the environment conditions
- CO 3. Use the concept of human Geography for creating new knowledge

Unit No.	Title of Unit & Contents	Hrs.
I	Introduction to Human Geography	12
	1. Meaning, Nature and Scope of Human Geography 2. Branches of Human Geography 3. Significance of the study of Human Geography	
	Unit Outcome: UO 1. Gain knowledge about nature and scope of Human Geography.	
II	Man and Environment Relationships	11
	1. Human Relations to Landforms 2. Human Relations to Climate 3. Human Relations to Vegetation	

	Unit Outcome: UO 1. Acquire knowledge about man and its relationship with Environment.	
III	Human Adaptation to Environment	11

	1. Cold Region-Eskimo 2. Hot Region-Maasai 3. Hilly Region-Toda 4. Plateau Region-Gond	
	Unit Outcome: UO 1. Understand the man adaptation to Environment.	
IV	Concepts in Human Geography	11
	1. Determinism 2. Possibilism 3. Stop and Go Determinism/ Neo-Determinism	
	Unit Outcome: UO 1. Acquire knowledge about concept in Human Geography.	

Learning Resources:

- मानवी भूगोल: शेठे, फुले, शहापूरकर, अभिजित पब्लिकेशन, लातूर, 1998
- मानव भूगोल: माजीद हुसेन, रावत पब्लिकेशन, जयपूर, 2009
- मानवी भूगोल: जाधव, शहापूरकर, गजरे, अरूणा प्रकाशन, लातूर, 2009
- मानवी भूगोल: डॉ. कौशिक, रस्तोगी पब्लिकेशन, मेरठ, 1994-95
- मानवी भूगोल: डॉ. विठ्ठल घारपुरे, पिंपळापुरे पब्लिकेशन, नागपूर.
- मानवी भूगोल- डॉ. कोळपे, डॉ. चिमनगुंडे, डॉ. शेंडगे, अनुराधा पब्लिकेशन, नांदेड, 2014
- Human Geography: Mc Bride, P.J.- Systems, Patterns and Change, Nelson, UK and Canada.
- Human Geography :DeBlij, H.J.- Culture, Society and Space, John Wiley, New York.1996
- : Human Geography : HusainMajid, Rawat Publications, Jaipur, 2011
- Human Geography: Perpillou, A.V., Wiley, New York, 1977
- https://en.wikipedia.org/wiki/Human_geography

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Department of Geography

Course Type: Lab Course-I

Course Title: Lab Course

Course Code: 101GEO1103

Credits: 02

Max. Marks.: 50

Lectures: 60

Hrs.

Learning Objectives:

LO 1. To give the knowledge of maps and the scale of maps.

LO 2. To understand the survey method.

Course Outcomes:

After completion of course the student will be able to-

CO 1. Familiar with maps and map scales.

CO 2. Understand the plane table survey process

Unit No.	Title of Unit & Contents	Hrs.
I	Scales	16
	1. Meaning & Definition of Scale 2. Types of Scale 3. Conversion of Scale	
	Unit Outcome: UO 1. Gain knowledge of map scale and conversation of scale	
II	Construction of Scale	14
	1. Simple Graphical Scale 2. Time and Distance Scale	
	Unit Outcome: UO 1. Develop knowledge about construction of scale	
III	Surveying	15
	1. Introduction to Plane Table Survey 2. Plane Table Survey Radial Method	
	Unit Outcomes: UO 1. Understand the Plain table surveying method	
IV	Field Visit	15
	1. Visit to the geographically important places 2. Preparation and submission of report based on field visit	

	Unit Outcomes: UO 1. Acquire knowledge of first hand field data collection	
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Learning Resources:

- 1) Fundamentals of Cartography : Misra, R.P., Concept Publishing, New Delhi.
- 2) Elements of Cartography : Robinson, A.H. , John Wiley and Sons, USA. 1995.
- 3) Practical Geography- A Systematic Approach : Sarkar, A.K., Orient Longman, Calcutta, 1997.
- 4) Elements of Practical Geography : Singh, R.L. and Dutt, P.K, Kallyani Publishers, New Delhi. 1979
- 5) प्रात्याक्षिकभूगोल : डॉ.अर्जुनकुंभारः,सुमेरू प्रकाशन ठाणे .
- 6) प्रात्याक्षिकभूगोल : डॉ.जयकुमारमगरः-भागएक, विद्या प्रकाशन, औरंगाबाद .
- 7) नकाशाशास्त्र : दातेवसु.दातेः, नरेंद्र प्रकाशन, पूणे.
- 8) प्रात्याक्षिकभूगोल : डॉ.एस.बी.शिंदेः,फडके प्रकाशन, कोल्हापूर.



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Department of Geography

Course Type: VSC-I

Course Title: Introduction to Natural Hazards -I

Course Code: 101GEO1501

Credits: 02

Max. Marks: 50

Lectures: 30

Hrs.

Learning Objectives:

LO 1. To aware with National and Global Level Problems of Natural Hazards

LO 2. To understand the emerging issues of Natural Hazards

Course Outcomes:

After completion of course the student will be able to-

CO 1. Understand the dynamic interactive relationship between man & Environment.

CO 2. Have sound understanding effect of Natural Hazards.

CO 3. Make assessment and review of planning and policies related to National Hazards.

Unit No.	Title of Unit & Contents	Hrs.
I	Introduction to Natural Hazards	14
	1. Meaning of Natural Hazards 2. Nature of Natural Hazards 3. Types of Nature Hazards	
	Unit Outcome: UO 1. Understand the nature of natural Hazards.	
II	Earthquake	08
	1. Definition of Earthquake 2. Causes of Earthquakes 3. Effects of Earthquakes	
	Unit Outcome: UO 1. To aware with National and Global level Problems of Natural Hazards	
III	Volcanoes	08
	1. Definition of Volcanoes 2. Causes of Volcanoes 3. Effects of Volcanoes	

	Unit Outcomes: UO 1. To understand the emerging issues of Natural Hazards	
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Learning Resources:

1. पर्यावरणविज्ञान.: डॉ. विठ्ठल धारपुरे
2. पर्यावरण अभ्यास : डॉ. सुरेश फुले.- विद्याभारती प्रकाशन, लातूर, 2004
3. पर्यावरणभूगोल: शेठे, फुले, शहापूरकर,- अभिजित पब्लिकेशन, लातूर - 1989
4. पर्यावरण अध्ययन- डॉ. रामकुमार गुर्जर, डॉ. बी.सी. जाट, पंचशील प्रकाशन, जयपूर, 2004
5. पर्यावरण भूगोल- डॉ. वराट, प्रा. बोरुडे, विद्याबूक्स पब्लिशर्स, औरंगाबाद, 2012
6. पर्यावरण शास्त्र- डॉ. कुलकर्णी, प्रा. दीक्षित, प्रा. शेंडगे, प्रा. डिसेल, विद्याबूक्स पब्लिशर्स, औरंगाबाद, 2014
7. Environmental Science: Ahirrao W.
8. Eco-Development of Environmental Geography : Negi P.
9. <https://public.wmo.int/en/our-mandate/focus-areas/natural-hazards-and-disaster-risk-reduction#:~:text=Natural%20hazards%20are%20severe%20and,lives%20and%20livelihoods%20are%20destroyed.>



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Semester - II

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Department of Geography

Course Type: DSC - III

Course Title: Population Geography

Course Code: 101GEO2101

Credits: 03

Max.Marks:75

Hours: 45

Learning Objectives:

- 1) To understand the spatial and structural dimensions of population and the emerging issues.
- 2) To aware with regional and global level problems of population.
- 3) To know the growth and distribution of population.
- 4) To Familiar structure of population.

Course Outcomes:

After completion of the course, students will be able to -

- 1) Understand the spatial and structural dimensions of population and the emerging issues such as population growth, birth rate, death rate, sex ratio.
- 2) Familiar with regional and global level problems such as over population, literacy rate, migration etc.
- 3) Gain knowledge about Nature and Scope of Population Geography.
- 4) Understand the different population thought related with population growth and distribution.

Unit No.	Title of Unit & Contents	Hrs.
I	Introduction to Population Geography	14
	<ol style="list-style-type: none">4. Meaning, Nature and Scope of Population Geography5. Relationship with Other Social Sciences6. Significance of Study of Population Geography	
	Unit Outcomes: UO 1. Gain knowledge about Nature and Scope of Population Geography.	
II	Growth and Distribution of Population	11
	<ol style="list-style-type: none">4. Factors Affecting on Growth and Distribution of Population5. Growth and Distribution of Population6. Causes and Consequences of Population Growth	
	Unit Outcomes: UO 1.Students are able to know the ways in which spatial variation in the distribution and growth of the population are related to the nature and place.	

III	Population Theories	10
	1. Malthusian Theory of Population 2. Theory of Optimum Population 3. Demographic Transition Theory	
	Unit Outcomes: UO 1. Understand the different population thought related with population growth and distribution.	
IV	Structure of Population in Latur District.	10
	5. Age and Sex Structure 6. Literacy 7. Occupational Structure	
	Unit Outcomes: UO 1. Acquire knowledge about latur district population composition.	

Learning Resources:

1. जनसंख्याभूगोल : डॉ.दूबे, शारदापुस्तकभवन, प्रयागराज.
2. लोकसंख्याभूगोल : डॉ.टी.एन.घोलपः, निशिकांतप्रकाशन, पुणे.
3. लोकसंख्याभूगोल : शेरे, फुले, शहापूरकरः, अभिजितपब्लिकेशन, लातूर
4. लोकसंख्याभूगोल : डॉ.अरूणकुंभारः, मुरलीधरप्रकाशन, पुणे
5. Geography of Population: Beaujieu Garnier, J., Longmans, London.
6. Population Geography: Clarke, J.I., Permagon Press, New York.
7. A Geography of Population World Patterns: Trewartha, G.T., John Wiley and Sons, New York.
8. Population Geograph: Ghosh, B.N.: y, Concept Publications, New Delhi.
9. Geography of Population – Concepts: Chandana, R.C., Determinants and Patterns, Kalyani Publishers, New Delhi.
10. Population Geography: Sundaram, K.V. and Nangia, Sudesh (Edi), Heritage Publishers, New Delhi. 1986.
11. Population Geography: Sawant & Athawale: Mehta Publishing House Pune
12. https://en.wikipedia.org/wiki/Population_geography

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Rajarshi Shahu Mahavidyalaya,
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Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type: DSC-IV

Course Title: Geomorphology

Course Code: 101GEO2102

Credits: 03

Max. Marks. 75

Lectures:

Hrs.45

Learning Objectives:

- 1) To introduce the concepts in geomorphology in a brief.
- 2) To familiarize about the internal structure of the earth.
- 3) To give the knowledge about the rocks on the earth.
- 4) To introduce the concept of weathering and cycle of erosion.

Course Outcomes:

After completion of the course, students will be able to -

- 1) Understand the concept of Geomorphology.
- 2) Know the internal structure of the earth.
- 3) Identify and classify the rock types.
- 4) Appreciate the concept and process of weathering and cycle of erosion

Unit No.	Title of Unit & Contents	Hrs.
I	Geomorphology	12
	<ol style="list-style-type: none">1. Meaning, Nature and Scope of Geomorphology2. Branches of Geomorphology3. Significance of Geomorphology Unit Outcomes: UO 1. Acquaint the signification & Nature of Geomorphology.	
II	Interior of the earth	12
	<ol style="list-style-type: none">1. Introduction2. Evidences of Interior of the Earth3. Composition and structure of the Interior of earth Unit Outcomes: UO 1. Percept the composition of the Earth.	
III	Rocks	11

	1) Origin and Composition of rocks 2) Classification of rocks 3) Significance of Study of Rocks	
	Unit Outcomes: UO 1. Grasp the rocks types & their characteristics.	
IV	Weathering	10
	1) Definitions and controlling factors on weathering. 2) Types of weathering. 3) Cycle of erosion-Davis	
	Unit Outcomes: UO 1. Understand the concept of weathering & weathering Process.	

Learning Resources:

1. Principles of Physical Geography: Monkhouse, F.J., Hodder and Stoughton, London, 1960.
2. Modern Physical Geography: Strahler, A.N. and Strahler, A.H., John Wiley and Sons, Revised Edition 1992.
3. Principles of Geomorphology: Thornbury, W.D., Wile Eastern, 1969.
4. Geomorphology: Singh, S., PrayagPustakalaya, Allahabad. 1998.
5. A Textbook of Geomorphology: Dayal, P., Shukla Book Depot, Patna. 1996.
6. Geomorphology: Sparks, B.W., Longman, London. 1960.
7. Physical Geography: Singh, Savinder, Rawat Publications, Jaipur.
8. भूरूपशास्त्र: डॉ.सुरेश फुले,विद्याभारती प्रकाशन,लातूर,
9. प्राकृतिक भू-विज्ञान: दाते व सौ.दाते ,रावील पब्लिकेशन,सातारा.

शिव छत्रपती
शिक्षण संस्था
लातूर

॥ आरोह तमसो ज्योतिः॥

Rajarshi Shahu Mahavidyalaya,
Latur (Autonomous)



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type:

Course Title: Lab Course-II

Course Code: 101GEO2103

Credits: 02

Max.Marks:50

Hours:60

Learning Objectives:

- 1) To train students to represent the relief features of the earth's surface.
- 2) To analyze the topography by studying SOI maps.

Course Outcomes:

After completion of the course, students will be able to -

- 1) Identify and draw the relief features.
- 2) Recognize relief features on the earth surface through the SOI Topographical maps.

Unit No.	Title of Unit & Contents	Hrs.
I	Methods of Showing Relief Features	12
	1. Hachures, ii) Form Lines, iii) Hill Shading, iv) Layer Tints, v) Spot Height, vi) Bench Mark, vii) Trig Point, viii) Contours	
	Unit Outcomes: UO 1. Gain knowledge about various methods of showing relief features.	
II	Representation of Landforms by Contours	12
	1. i)Conical Hill, ii) Plateau, iii) Ridge, iv) Pass, v) Cliff, vi) 'V' shaped valley vii) 'U' shaped valley, viii) Spur, ix) Slope Types	
	Unit Outcomes: UO 1. Familiar with different Landforms.	
III	Profiles	11
	1. Introduction 2. Drawing of Cross Profiles. 3. Drawing of Long profiles	
	Unit Outcomes: UO 1. Understand the Process of Profile.	
IV	SOI Topographical Maps	11

	1. Indexing of Toposheets 2. Classification of Toposheets 3. Interpretation of Toposheets of hilly, plateau and plain region	
	Unit Outcomes: UO 1. Acquire Knowledge about SOI Topographical sheets are identify relief feature with the help of SOI Toposheets.	

Learning Resources:

1. प्रात्याक्षिक भूगोल : डॉ.अर्जून कुंभारः,सुमेरू प्रकाशन ठाणे .
2. प्रात्याक्षिक भूगोल : डॉ.जयकुमार मगरः -भागएक,विद्याप्रकाशन, औरंगाबाद .
3. नकाशाशास्त्र : दाते व सौ.दाते, नरेंद्र प्रकाशन, पूणे.
4. प्रात्यक्षिक भूगोल : डॉ.एस.बी.शिंदे,फडके प्रकाशन,कोल्हापूर.
5. PrayogikBhoogo: Sharma, J.P., 1, Rastogi Publication, Merath.
6. Fundamentals of Cartography : Misra, R.P., Concept Publishing, New Delhi.
7. Elements of Cartography : Robinson, A.H. et al., John Wiley and Sons, USA.1995.
8. Practical Geography- A Systematic Approach: Sarkar, A.K., , Orient Longman, Culcutta. 1997.
9. Elements of Practical Geography : Singh, R.L. and Dutt, P.K., Kallyani Publishers, New Delhi.
10. <https://www.rawatbooks.com/geography/practical-geography->



॥ आरोह तमसो ज्योतिः॥

Rajarshi Shahu Mahavidyalaya,
Latur (Autonomous)



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type: VSC-II

Course Title: Introduction to Natural Hazards - II

Course Code: 101GEO2501

Credits: 02

Max.Marks: 50

Hours: 30

Learning Objectives:

1. The Paper is intended to provide a general Concept in the dimensions of Natural Hazard caused by man beyond the nature control.
2. Introduce a holistic classification of Natural Hazards considering the Earth Science.

Course Outcomes:

After completion of the course, students will be able to -

1. Understand the basics concepts in Natural Hazards.
2. Students aware about the Natural- Hazards & their effects.
3. Demonstrate the divesting effect of Natural Hazards to Society.

Unit No.	Title of Unit & Contents	Hrs.
I	Floods	12
	<ol style="list-style-type: none">1. Definition of Floods2. Causes of Floods3. Effects of Floods4. Flood Prone Areas in the World5. Flood Situation in India	
	Unit Outcomes: UO 1. Understand the Concept of Floods.	
II	Cyclonic Storms	08
	<ol style="list-style-type: none">1. Definition of Cyclonic Storms2. Causes of Cyclonic Storms3. Effects of Cyclonic Storms4. Cyclonic Storm Areas in the World5. Cyclonic Storms in India	
	Unit Outcomes: UO 1. Students aware about the Causes and Effects of Cyclonic Storms.	
III	Drought	10

	<ol style="list-style-type: none"> 1. Meaning of Drought 2. Types of Drought 3. Causes and effects of Drought 4. Drought Prone Areas in the World 5. Drought Prone Areas in the India 	
	Unit Outcomes: UO 1. Acquire knowledge about causes and effects of Drought.	

Learning Resources:

10. पर्यावरणविज्ञान.: डॉ. विठ्ठल घारपुरे
11. पर्यावरण अभ्यास : डॉ. सुरेश फुले.- विद्याभारती प्रकाशन, लातूर, 2004
12. पर्यावरणभूगोल: शेते, फुले, शहापूरकर,- अभिजित पब्लिकेशन, लातूर - 1989
13. पर्यावरण अध्ययन- डॉ. रामकुमार गुर्जर, डॉ. बी.सी. जाट, पंचशील प्रकाशन, जयपूर, 2004
14. पर्यावरण भूगोल- डॉ. वराट, प्रा. बोरुडे, विद्याबूक्स पब्लिशर्स, औरंगाबाद, 2012
15. पर्यावरण शास्त्र- डॉ. कुलकर्णी, प्रा. दीक्षित, प्रा. शेंडगे, प्रा. डिसेल, विद्याबूक्स पब्लिशर्स, औरंगाबाद, 2014
16. Environmental Science: Ahirrao W.
17. Eco-Development of Environmental Geography: Negi P.
18. Shete, Phule, Shahapurkar: Environment Geography

Reference Website:

<https://public.wmo.int/en/our-mandate/focus-areas/natural-hazards-and-disaster-risk-reduction#:~:text=Natural%20hazards%20are%20severe%20and,lives%20and%20livelihoods%20are%20destroyed.>

शिव छत्रपती
शिक्षण संस्था
लातूर

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Rajarshi Shahu Mahavidyalaya,
Latur (Autonomous)



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

UG First Year

Basket I: Generic/Open Elective (GE/OE)

(GEs offered to the Humanities and Social Sciences students in Sem.-I/ II)

Sr. No.	BoS Proposing GE/OE	Code	Course Title	Credits	Hrs.
1	Biotechnology	101BIO1401	Nutrition, Health and Hygiene	04	60
2	Chemistry	101CHE1401	Medicines for Daily Life	04	60
3	Commerce	101MAE1401	Fundamentals of Statistics	04	60
4	Commerce	101BAI1401	Personal Financial Management	04	60
5	Information Technology	101COM1401	MS-Office	04	60
6	Microbiology	101MIB1401	Microbiology in Everyday life	04	60
7	Music	101MUS1401	Indian Vocal Classical & Light Music	04	60
8	NCC Studies	101NCC1401	Introduction to NCC	04	60
9	Physics	101PHY1401	Energy Sources	04	60
10	Sports	101SPO1401	Counseling and Psychotherapy	04	60

Note: Student can choose any one GE from the basket.

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Rajarshi Shahu Mahavidyalaya,
Latur (Autonomous)



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

UG First Year

Basket II: Skill Enhancement Courses (SEC)

(SEC offered to the Humanities and Social Sciences students in Sem.-I/ II)

Sr. No.	BoS Proposing SEC	Code	Course Title	Credits	Hrs.
1	Biotechnology	101BIO1601	Food Processing Technology	02	30-45
2	Commerce	101AAF1601	Financial Literacy	02	30
3	English	101ENG1601	Proof Reading and Editing	02	30
4	English	101ENG1602	Communication Skills	02	30
5	Geography	101GEO1601	Tourism & Travel Management	02	30-45
6	Information Technology	101COA1601	PC Assemble and Installation	02	30-45
7	Marathi	101MAR1601	कथा/पटकथा लेखन	02	30
8	NCC Studies	--	Leadership and Personality Development	02	30
9	Zoology	101ZOO1601	Bee Keeping	02	30-45

Note: Student can choose any one SEC from the basket.

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शिक्षण संस्था
लातूर

॥ आरोह तमसो ज्योतिः ॥

Rajarshi Shahu Mahavidyalaya,
Latur (Autonomous)



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)
UG First Year

Basket III: Ability Enhancement Courses (AEC)

(AEC offered to the Humanities and Social Sciences students in Sem.-I/II)

Sr. No.	BoS Proposing AEC	Code	Course Title	Credits	Hrs.
1	Marathi	101MAR1701	भाषिक कौशल्य भाग – १	02	30
2	Hindi	101HIN1701	हिंदी भाषा शिक्षण भाग – १	02	30
3	Sanskrit	101SAN1701	व्यावहारिक व्याकरण व नितिसुभाषिते	02	30
4	Pali	101PAL1701	उपयोजित व्याकरण	02	30

Note: Student can choose any one AEC from the basket.



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Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

UG First Year

Extra Credit

Activities

Sr. No.	Course Title	Credits	Hours T/P
1	MOOCs	Min. of 02 credits	Min. of 30 Hrs.
2	Certificate Courses	Min. of 02 credits	Min. of 30 Hrs.
3	IIT Spoken English Courses	Min. of 02 credits	Min. of 30 Hrs.

Guidelines:

Extra -academic activities

1. All extra credits claimed under this heading will require sufficient academic input/contribution from the students concerned.
2. Maximum 04 extra credits in each academic year will be allotted.
3. These extra academic activity credits will not be considered for calculation of SGPA/CGPA but will be indicated on the grade card.

Additional Credits for Online Courses:

1. Courses only from SWAYAM and NPTEL platform are eligible for claiming credits.
2. Students should get the consent from the concerned subject Teacher/Mentor/Vice Principal and Principal prior to starting of the course.
3. Students who complete such online courses for additional credits will be examined/verified by the concerned mentor/internal faculty member before awarding credits.
4. Credit allotted to the course by SWAYAM and NPTEL platform will be considered as it is.

Additional Credits for Other Academic Activities:

1. One credit for presentation and publication of paper in International/National/State level seminars/workshops.
2. One credit for measurable research work undertaken and field trips amounting to 30 hours of recorded work.
3. One credit for creating models in sponsored exhibitions/other exhibits, which are approved by the concerned department.
4. One credit for any voluntary social service/Nation building exercise which is in collaboration with the outreach center, equivalent to 30 hours
5. All these credits must be approved by the College Committee.

Additional Credits for Certificate Courses:

1. Students can get additional credits (number of credits will depend on the course duration) from certificate courses offered by the college.
2. The student must successfully complete the course. These credits must be approved by the Course Coordinators.
3. Students who undertake summer projects/ internships/ training in institutions of repute through a national selection process, will get 2 credits for each such activity. This must be done under the supervision of the concerned faculty/mentor.

Note:

1. The respective documents should be submitted within 10 days after completion of Semester End Examination.
2. No credits can be granted for organizing or for serving as office bearers/ volunteers for Inter-Class / Associations / Sports / Social Service activities.
3. The office bearers and volunteers may be given a letter of appreciation by the respective staff coordinators. Besides, no credits can be claimed for any services/activities conducted or attended within the college.
4. All claims for the credits by the students should be made and approved by the mentor in the same academic year of completing the activity.
5. Any grievances of denial/rejection of credits should be addressed to Additional Credits Coordinator in the same academic year.
6. Students having a shortage of additional credits at the end of the third year can meet the Additional Credits Coordinator, who will provide the right advice on the activities that can help them earn credits required for graduation.

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शिक्षण संस्था
लातूर

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Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Examination Framework

Theory:

40% Continuous Assessment Tests (CATs) and 60% Semester End Examination (SEE)

Practical:

50% Continuous Assessment Tests (CATs) and 50% Semester End Examination (SEE)

Course	Marks	CAT & Mid Term Theory				CAT Practical		Best Score d CAT & Mid Term	SEE	Total
1	2	3				4		5	6	5 + 6
		Att.	CAT I	Mid Term	CAT II	Att.	CAT			
DSC/DSE/GE/OE/Minor	100	10	10	20	10	-	-	40	60	100
DSC	75	05	10	15	10	-	-	30	45	75
Lab Course/AIPC/OJT/FP	50	-	-	-	-	05	20	-	25	50
VSC/SEC/AEC/VEC/CC	50	05	05	10	05	-	-	20	30	50

Note:

1. All Internal Exams are compulsory
2. Out of 02 CATs, best score will be considered
3. Mid Term Exam will be conducted by the Exam Section
4. Mid Term Exam is of Objective nature (MCQ)
5. Semester End Exam is of descriptive in nature (Long & Short Answer)
6. CAT Practical (20 Marks): Lab Journal (Record Book) 10 Marks, Overall Performance 10 Marks.