Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

Empowered Autonomous Institution

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 in Geography

Board of Studies

in

Geography

Rajarshi Shahu Mahavidyalaya, Latur

Empowered Autonomous Institution

[UG I Year]

w.e.f. June, 2026

(In Accordance with NEP-2020)

Review Statement

The NEP Cell reviewed the Curriculum of **B.A. in Geography** to be effective from the **Academic Year 2026-27.** It was found that, the structure is as per the NEP-2020 guidelines of Govt. of Maharashtra.

Date: 13/ 04 / 2026

Place: Latur

NEP CELL

Rajarshi Shahu Mahavidyalaya, Latur

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CERTIFICATE

I hereby certify that the documents attached are the Bonafide copies of the Curriculum of **B.A. in Geography** to be effective from the **Academic Year 2026-27.**

Date: 13 / 04 / 2026

Place: Latur

Dr. Omprakash V. Shahapurkar
Chairperson
Board of Studies in Geography
Rajarshi Shahu Mahavidyalaya, Latur
Empowered Autonomous Institution

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

Empowered Autonomous Institution

Members of Board of Studies in Geography

Under the Faculty of Humanities and Social Sciences

Sr. No.	Name	Designation	In position
01.	**Dr. Ompraksh Shahapurkar** Head, Department of Geography Rajarshi Shahu Mahavidyalaya (Autonomous), Latur	Chairperson	HoD
02.	**Dr. Sanjayadevi Pawar,** Department of Geography Smt. Sushiladevi Deshmukh Senior College, Latur	Member	V. C. Nominee
03.	**Dr. Kailas Nile,** Head, Department of Geography Pratap College, Amalner, Dist. Jalgaon.	Member	Academic Council Nominee
04.	**Dr. Madanlal Suryawanshi,** Head, Dept of Geography, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhaji Nagar.	Member	Academic Council Nominee
05.	**Hon. Shrinivas Aundhkar,** Director, MGM's APJ Abdul Kalam Astrospace Science Center and Club, Chhatrapati Sambhaji Nagar.	Member	Expert from outside for Special Course
06.	**Dr. Chetan Hulsure** Ingenuity Education and Research Istitute and Geopixel Excellence, Solapur.	Member	Expert from Industries
07.	**Dr. Dayanand Ujalambe** Prof. in Dept. of Geography, Sant. Janabai Mahavidyalaya, Gangakhed, Dist. Parbhani.	Member	P.G. Alumnus
08.	**Mr. Dattatraya Sonkamble**	Member	Faculty Member
09.	**Dr. Vijay Dalvi**	Member	Faculty Member
10.	**Dr. Kishor Shinde**	Member	Faculty Member
11	**Dr. Sandipan Hadule**	Member	Faculty Member

From the Desk of the Chairperson…

In accordance with the vision and framework of the National Education Policy (NEP-2020), the Board of Studies in Geography has designed the undergraduate (B.A.) syllabus with a strong emphasis on holistic, multidisciplinary, and student-centric learning. The curriculum is structured to promote conceptual clarity, critical thinking, experiential learning, and skill development, thereby aligning education with contemporary academic and societal needs.

The syllabus aims to sensitize students to the dynamic interactions between natural and human systems, enabling them to develop a systematic and scientific understanding of geographical processes. It incorporates modern pedagogical approaches and emphasizes the application of advanced tools and techniques to ensure precise analysis and interpretation of geographical phenomena.

A key feature of this curriculum is the integration of environmental education, focusing on critical areas such as pollution, biodiversity conservation, sustainable development, and the management of natural resources, including forests and wildlife. This aligns with NEP-2020's commitment to environmental awareness and sustainable practices.

The programme is designed to enhance students' competencies in observation, analysis, data interpretation, and spatial understanding. It encourages innovation, creativity, and problem-solving abilities through engagement with real-world geographical issues at local, regional, and global levels.

The Board of Studies in Geography at Rajarshi Shahu Mahavidyalaya (Autonomous), Latur, has collaboratively developed the Programme Specific Outcomes (PSOs), ensuring that the curriculum meets academic standards and industry relevance.

The key objectives of the programme are:

1. To enable students to identify and analyze geographical features and processes.
2. To develop practical skills through fieldwork and experiential learning.
3. To impart competencies in map-making and spatial techniques.
4. To train students in data collection, processing, and interpretation.
5. To familiarize students with modern geospatial technologies such as Remote Sensing and Geographic Information Systems (GIS).

As the Chairperson of the Board of Studies, I firmly believe that this NEP-aligned syllabus will empower students with the knowledge, skills, and values required to meet contemporary challenges and contribute meaningfully to society.

Dr. Omprakash V. Shahapurkar
Chairperson
Board of Studies in Geography
Rajarshi Shahu Mahavidyalaya, Latur
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Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

Empowered Autonomous Institution

Faculty of 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	OE	VSC/ SEC (VSEC)	AEC/ VEC	OJT,FP,CEP, 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	OE-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	OE-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.	OE	: Open Elective
5.	VSEC	: Vocational Skill and Skill Enhancement Course
6.	VSC	: Vocational Skill Course
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 Course
13.	OJT	: On Job Training
14.	FP	: Field Project
15.	CEP	: Community Engagement Programme
16.	CC	: Co-Curricular Course
17.	RP	: Research Project/Dissertation
18.	SES	: Shahu Extension Services

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

Empowered Autonomous Institution

Faculty of Humanities and Social Science

B.A. in Geography

Year & Level	Semester	Course Code	Course Title	Credits	No. of Hrs.
I 4.5	I	101GEO1101 (DSC-I)	Introduction to Physical Geography	03	45
		101GEO1102 (DSC-II)	Introduction to Human Geography	03	45
		101GEO1103	Lab Course –I : Practical Geography	02	60
		OE-I	Fundamental of GIS and Remote Sensing	04	60
		101GEO1501 (VSC-I)	Basic Geospatial Tools and Applications	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)	Geomorphology	03	45
		101GEO2102 (DSC-IV)	Introduction to Population Geography	03	45
		101GEO2103	Lab Course – II : Practical Geography	02	60
		OE-II 101GEO2401	Fundamentals of GIS and Remote Sensing	04	60
		101GEO1502 (VSC-II)	Advanced Geospatial Tools and Applications	02	60
		(SEC-II)	Tourism and Travel Management	02	30
		(AEC-II)	From Basket	02	30
		CC	CC -I	02	30
		Generic IKS	Introduction to Indian Knowledge System	02	30
	Total Credits			**22**	
Total Credits (Semester I& II)				**44**	

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

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Name of the Programme : Humanities and Social Sciences

Programme Outcomes (POs) for B.A. Programme	
PO 1	**Geographical Knowledge:** Demonstrate comprehensive understanding of physical and human geography, including landforms, climate, population, and economic activities.
PO 2	**Spatial Thinking & Mapping Skills:** Apply spatial concepts using maps, globes, and modern tools like GIS and remote sensing for geographic analysis.
PO 3	**Analytical & Critical Thinking:** Analyze geographical data and interpret relationships between natural and human systems.
PO 4	**Environmental Awareness:** Understand environmental issues such as climate change, resource depletion, and sustainability, and suggest appropriate solutions.
PO 5	**Fieldwork & Research Skills:** Conduct field surveys, collect data, and prepare reports using scientific methods.
PO 6	**Use of Technology:** Utilize geographic technologies such as Geographic Information Systems (GIS), GPS, and computer-based data analysis tools.
PO 7	**Problem-Solving Ability:** Address regional and global issues like urbanization, disaster management, and rural development using geographical knowledge.
PO 8	**Communication Skills:** Present geographical information effectively through maps, charts, reports, and oral presentations.
PO 9	**Social and Cultural Awareness:** Understand cultural diversity, population dynamics, and regional disparities.
PO 10	**Employability & Lifelong Learning:** Develop skills relevant to careers in planning, environmental management, teaching, research, and continue lifelong learning.

Programme Specific Outcomes (PSOs) for B. A. in Geography	
PSO No.	After completion of this programme the students will be able to -
PSO 1	**Physical Geography Understanding** Explain geomorphological processes, climatic systems, soil formation, and biogeographical patterns.
PSO 2	**Human Geography Application** Analyze population distribution, settlement patterns, economic activities, and cultural landscapes.
PSO 3	**Cartographic & Surveying Skills** Prepare and interpret maps, charts, and diagrams using cartographic techniques and basic surveying methods.
PSO 4	**Geospatial Technology Skills** Apply tools like GIS, Remote Sensing, and GPS for spatial data collection, analysis, and interpretation.
PSO 5	**Field-Based Knowledge** Conduct fieldwork, collect primary data, and prepare field reports with practical understanding of geographical phenomena.
PSO 6	**Regional Planning & Development** Evaluate regional disparities and contribute to planning strategies for rural and urban development.
PSO 7	**Environmental Management** Assess environmental issues and suggest sustainable solutions for resource conservation and management.
PSO 8	**Disaster Management Skills** Understand types of natural and human-induced disasters and apply mitigation and management strategies.
PSO 9	**Research Orientation** Develop basic research skills including data collection, analysis, report writing, and presentation.
PSO 10	**Employability Skills** Acquire skills for careers in teaching, GIS analysis, environmental consultancy, tourism, and planning sectors.

Semester - I

Shiv Chhatrapati Shikshan Sanstha's

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Empowered Autonomous Institution

Faculty of Humanities and Social Science

Department of Geography

B.A.- I Sem-I

Course Type : DSC -I
Course Title : Introduction to Physical Geography
Course Code : 101GEO1101
Credits : 03 Max. Marks: 75 Lectures: 45 Hrs.

Learning Objectives:

LO1. Distinguish between various branches of geography.
LO2. Describe the theories regarding formation of the universe and identify the characteristics of stars, planets, and galaxies.
LO3. Illustrate the rotation and revolution of the Earth and its consequences.
LO4. Identify parallels of latitudes and meridians of longitudes.

Course Outcomes:

After completion of course the student will be able to

CO1. Define the foundational concepts of Physical Geography and its global significance.
CO2. Analyze the structural components of the Universe and the mechanics of the Solar System.
CO3. Evaluate the physical consequences of Earth's planetary movements on environment and time.
CO4. Apply coordinate systems of latitude and longitude to determine global positioning and spatial relationships.

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction**	12
	1. Meaning of Geography 2. Branches of Geography and Physical Geography 3. Meaning, Nature and Scope of Physical Geography 4. Significance of the Study of Geography	
	Unit Outcomes: UO 1. Acquire basic concepts and development of geography and Physical Geography.	
II	**The Universe and Solar System**	12
	1. The Formation of Universe 2. Elements of Universe: Stars, Planets, Milky way and Galaxies 3. The Solar System	
	Unit Outcomes: UO 1. Clears the concepts of universe and solar system.	
III	**The Earth and its Movements**	11
	1. Introduction- Origin, Size and Shape of the Earth, 2. Rotation of the Earth and It's Evidences and Effects. 3. Revolution of the Earth and It's Evidences and Effects. 4. Lunar and Solar Eclipse	
	Unit Outcomes: UO 1. explain the concept rotation and revolution of earth.	

Unit No.	Title of Unit & Contents	Hrs.
IV	**Earth: Latitudes and Longitudes**	11
	1. Latitudes, Parallels of Latitudes and its properties 2. Longitudes, Meridians of Longitudes and its properties 3. Importance of the study of Latitudes and Longitudes	
	Unit Outcomes: UO 1. Acquainted the concept of longitudes and latitudes	

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

Internal Examination Pattern :

CAT – I : Assignments / Poster Presentation/ Model Making

CAT – II : Seminar / Group Discussion / Book Review

Mapping of POs, PSOs and COs:

COs/POs & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	3	-	2	2	-	-	1	2	3	-	-	-
CO2	3	1	2	-	-	-	-	2	2	-	-	-
CO3	3	2	3	2	-	-	2	2	3	1	1	-
CO4	3	3	3	-	2	2	2	3	2	-	3	3

Scale : 3 = High, 2 = Moderate, 1 = Low, 0 = No correlation.

Shiv Chhatrapati Shikshan Sanstha's

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Empowered Autonomous Institution

Faculty of Humanities and Social Science

Department of Geography

B.A.- I Sem-I

Course Type : DSC -II
Course Title : Introduction to 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**	**15**
	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**	**15**
	1. Human Relations to Landforms 2. Human Relations to Climate 3. Human Relations to Vegetation 4. Human Relations to Water Bodies	
	Unit Outcome: UO 1. Acquire knowledge about man and its relationship with Environment.	
III	**Human Adaptation to Environment**	**15**
	1. Cold Region-Eskimo 2. Hot Region-Maasai 3. Coastal Region-Warli 4. Plateau Region-Gond	
	Unit Outcome: UO 1. Understand the man adaptation to Environment.	

Unit No.	Title of Unit & Contents	Hrs.
IV	**Concepts in Human Geography**	**15**
	1. Determinism 2. Possibilism 3. Stop and Go Determinism/ Neo-Determinism 4. Probabilisum	
	Unit Outcome: UO 1. Acquire knowledge about concept in Human Geography.	

Learning Resources:

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

Internal Examination Pattern :

CAT – I : Assignments / Poster Presentation/ Model Making

CAT – II : Seminar / Group Discussion / Book Review

Mapping of POs, PSOs and COs:

COs/POs & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	3	-	2	2	-	-	1	2	3	-	-	-
CO2	3	1	2	-	-	-	-	2	2	-	-	-
CO3	3	2	3	2	-	-	2	2	3	1	1	-
CO4	3	3	3	-	2	2	2	3	2	-	3	3

Scale : 3 = High, 2 = Moderate, 1 = Low, 0 = No correlation.

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Faculty of Humanities and Social Science

Department of Geography

B.A.- I Sem-I

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 Graphical Scale**	**14**
	1. Simple Graphical Scale 2. Time and Distance Scale 3. Diagonal 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	

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.अर्जूनकुंभार:,सुमेरू प्रकाशन ठाणे .
6) प्रात्याक्षिकभूगोल : डॉ.जयकुमारमगर:-भागएक, विद्या प्रकाशन, औरंगाबाद .
7) नकाशाशास्त्र : दातेवसौ.दाते:, नरेंद्र प्रकाशन, पूणे.
8) प्रात्यक्षिकभूगोल : डॉ.एस.बी.शिंदे:,फडके प्रकाशन, कोल्हापूर.

Internal Examination Pattern :

I : Record Book

II : Performance

III:Attandance

Mapping of POs, PSOs and COs:

COs/POs & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	3	2	1	2	1	1	1	2	3	1	1	1
CO2	2	3	2	3	1	1	2	3	2	3	1	2

Scale : 3 = High, 2 = Moderate, 1 = Low, 0 = No correlation.

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Faculty of Humanities and Social Science

Department of Geography

B.A.- I Sem-I

Course Type : VSC-I
Course Title : Geospatial Tools and Applications
Course Code : 101GEO1501
Credits : 02 Max. Marks: 50 Lectures: 30 Hrs.

Learning Objectives:

LO 1. To introduce students to modern geospatial technologies
LO 2. To develop basic skills in digital mapping and spatial analysis
LO 3. To train students in using tools like Google Earth and Bhuvan
LO 3. To enhance field study and project-based learning

Course Outcomes:

After completion of course the student will be able to-

CO 1. Use digital maps effectively
CO 2. Perform basic spatial analysis
CO 3. Work with Google Earth and Bhuvan efficiently
CO 4. Prepare and present small-scale geospatial projects

Unit No.	Title of Unit & Contents	Hrs.
I	**Basics of Geospatial Technology**	08
	1. Concept and scope of Geospatial Technology 2. Introduction to GIS, GPS, and Remote Sensing 3. Importance of Digital Mapping 4. Types of Geospatial Data (Raster and Vector)	
	Unit Outcome: **UO 1.** Understand basic concepts and applications of geospatial technology.	
II	**Use of Google Earth**	08
	1. Interface and basic tools of Google Earth 2. Location search, zooming, and use of layers 3. Distance and area measurement 4. Creating and using KML/KMZ files	
	Unit Outcome: UO 1. Use Google Earth Pro for spatial visualization, measurement, and creation of KML/KMZ files.	
III	**Bhuvan Geoportal (ISRO)**	08
	1. Introduction to Indian Space Research Organization and Bhuvan 2. Viewing and interpreting satellite imagery 3. Use of thematic maps (Land Use, Water Resources) 4. Applications in disaster management and planning	
	Unit Outcomes: UO 1. Use Bhuvan Geoportal for satellite imagery and thematic map	

	analysis	
IV	1. **Practical Applications & Project Work**	**06**
	2. Field data collection using GPS/mobile apps 3. Preparation of a simple mapping project 4. Spatial analysis of urban/rural areas. **5.** Report writing and presentation	
	Unit Outcomes: UO 1. Prepare a simple spatial analysis project using field data and mapping tools.	

Learning Resources:

Reference Books

1. Ian Heywood – *An Introduction to Geographical Information Systems*, Pearson
2. Paul A. Longley – *Geographical Information Systems and Science*, Wiley
3. Michael N. DeMers – *Fundamentals of Geographic Information Systems*, Wiley
4. Savindra Singh – *Geographical Information System*, Pravalika Publications
5. R. B. Singh – *Remote Sensing and GIS*, Tata McGraw Hill

Software / Tools

- Google Earth Pro – visualization, measurement, KML/KMZ creation
- Bhuvan – satellite imagery and thematic mapping
- QGIS – basic spatial analysis and mapping
- Mobile GPS applications – field data collection

Web & Data Sources

- Indian Space Research Organisation – Bhuvan Geoportal
- NASA – Earth observation data
- USGS – satellite datasets
- OpenStreetMap – free spatial data

Internal Examination Pattern :

CAT – I : Assignments / Poster Presentation/ Model Making
CAT – II : Seminar / Group Discussion / Book Review

Mapping of POs, PSOs and COs:

COs/POs & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	3	2	1	2	1	2	1	2	3	1	2	1
CO2	2	3	3	3	2	2	3	2	2	3	3	2
CO3	2	2	2	3	1	3	2	2	2	2	3	2
CO4	2	3	3	3	3	3	3	3	2	3	3	3

Scale : 3 = High, 2 = Moderate, 1 = Low, 0 = No correlation.

Semester - II

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

Empowered Autonomous Institution

Faculty of Humanities and Social Science

Department of Geography

B.A.- I Sem-II

Course Type : DSC-III
Course Title : Geomorphology
Course Code : 101GEO2101
Credits : 03 **Max. Marks: 75** **Lectures: 45 Hrs.**

Learning Objectives:

LO1. Understand the fundamental concepts, nature, and scope of Geomorphology.

LO2. Explain the internal structure of the Earth and supporting evidences.

LO3. Classify and analyze different types of rocks and their role in landform development.

LO4. Describe weathering processes and the concept of Davisian cycle of erosion.

Course Outcomes:

After completion of course the student will be able to-

CO1. Explain basic concepts, scope, and significance of Geomorphology.

CO2. Describe the internal structure of the Earth and related geological theories.

CO3. Identify and classify rocks and relate them to landform formation.

CO4. Analyze weathering processes and explain the cycle of erosion

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction**	12
	1. Meaning, Nature and Scope of Geomorphology 2. Branches of Geomorphology 3. Significance of Geomorphology 4. Geological Time Scale	
	Unit Outcomes: UO 1. Understand the meaning, scope, branches, significance of Geomorphology, and the Geological Time Scale	
II	**Interior of the earth**	12
	1. Introduction 2. Evidences of Interior of the Earth 3. Composition and structure of the Interior of earth 4. Continental Drift Theory	

Unit No.	Title of Unit & Contents	Hrs.
	Unit Outcomes: UO 1. Understand the composition, structure, evidences of Earth's interior, and Continental Drift Theory	
III	**Rocks**	11
	1) Origin and Composition of rocks 2) Classification of rocks 3) Significance of Study of Rocks 4) Rocks and Landforms	
	Unit Outcomes: UO 1. Comprehend the origin, structure, classification, importance of rocks, and their connection with landforms.	
IV	**Weathering**	10
	1) Definitions and controlling factors on weathering. 2) Types of weathering. 3) Effects of Weathering 4) Cycle of erosion-Davis	
	Unit Outcomes: UO 1. Comprehend the concept, controlling factors, varieties and impacts of weathering, and Davisian cycle of erosion.	

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.

Internal Examination Pattern :

CAT – I : Assignments / Poster Presentation/ Model Making
CAT – II : Seminar / Group Discussion / Book Review

Mapping of POs, PSOs and COs:

COs/POs & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	3	2	1	1	1	1	1	1	3	1	1	1
CO2	3	3	2	2	1	1	2	1	3	2	1	1
CO3	3	3	2	2	2	1	2	1	3	2	2	1
CO4	3	3	3	2	3	1	2	2	3	2	2	2

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Shiv Chhatrapati Shikshan Sanstha's

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Faculty of Humanities and Social Science

Department of Geography

B.A.- I Sem-II

Course Type : DSC-IV
Course Title : Introduction to Population Geography
Course Code : 101GEO2101
Credits : 03 Max. Marks: 75 Lectures: 45 Hrs.

Learning Objectives:

LO 1. To understand the spatial and structural dimensions of population and the emerging issues.

LO 2. To aware with regional and global level problems of population.

LO 3. To know the growth and distribution of population.

LO 4. To Familiar structure of population.

Course Outcomes:

After completion of course the student will be able to-

CO 1. Understand the spatial and structural dimensions of population and the emerging issues such as population growth, birth rate, death rate, sex ratio.

CO 2. Familiar with regional and global level problems such as over population, literacy rate, migration etc.

CO 3. Gain knowledge about Nature and Scope of Population Geography.

CO 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
	1. Meaning, Nature and Scope of Population Geography 2. Relationship with Other Social Sciences 3. Significance of Study of Population Geography 4. History of World Population Growth	
	Unit Outcomes: UO 1. Gain knowledge about Nature and Scope of Population Geography.	
II	**Growth and Distribution of Population**	11
	1. Factors Affecting on Growth and Distribution of Population 2. History of Population Growth in India 3. Distribution of Population in India 4. Causes and Consequences of Population Growth in India	
	Unit Outcomes: UO 1.Students are able to know the ways in which spatial variation in the	

Unit No.	Title of Unit & Contents	Hrs.
	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
	1. Age Structure 2. Sex Structure 3. Literacy 4. Occupational Structure	
	Unit Outcomes: UO 1. Acquire knowledge about latur district population composition.	

Learning Resources:

1. जनसंख्याभूगोल : डॉ.दूबे:,शारदा पुस्तक भवन, प्रयागराज.
2. लोकसंख्याभूगोल : डॉ.टी.एन.घोलप:,निशिकांत प्रकाशन, पूणे.
3. लोकसंख्याभूगोल : शेटे,फुले,शहापूरकर:,अभिजित पब्लिकेशन,लातूर
4. लोकसंख्याभूगोल : डॉ.अरूण कुंभार:,मुरलीधर प्रकाशन,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

Internal Examination Pattern :

CAT – I : Assignments / Poster Presentation/ Model Making
CAT – II : Seminar / Group Discussion / Book Review

Mapping of POs, PSOs and COs:

COs/POs & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	3	2	1	1	0	2	1	1	3	2	1	1
CO2	3	3	1	2	1	3	2	1	2	3	1	2
CO3	3	2	1	1	0	2	1	1	3	2	1	1
CO4	3	3	1	2	0	2	1	1	3	3	2	2

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Empowered Autonomous Institution

Faculty of Humanities and Social Science

Department of Geography

B.A.- I Sem-II

Course Type : Lab Course
Course Title : Lab Course -II
Course Code : 101GEO2103
Credits : 02 **Max. Marks: 50** **Lectures: 60 Hrs.**

Learning Objectives:

LO 1. To train students to represent the relief features of the earth's surface.

LO 2. To analyze the topography by studying SOI maps.

Course Outcomes:

After completion of course the student will be able to-

CO 1. Identify and draw the relief features.

CO 2. Recognize relief features on the earth surface through the SOI Topographical maps.

Unit No.	Title of Unit & Contents	Hrs.
I	**Data Collection**	15
	1. Preparation of Data Collection 2. Primary Data Collection. 3. Secondary Data Collection	
	Unit Outcomes: UO 1. Gain knowledge about various Data Collection methods.	
II	**Representation of Landforms by Contours**	15
	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**	15
	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**	15
	1. Indexing of Toposheets	

Unit No.	Title of Unit & Contents	Hrs.
	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 कुंभार:,सुमेरू प्रकाशन ठाणे .
2. प्रात्याक्षिक भूगोल : डॉ.जयकुमार मगर: -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., l, 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-

Internal Examination Pattern :

I : Record Book

II : Performance

III:Attandance

Mapping of POs, PSOs and COs:

COs/POs & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	3	2	1	1	0	0	3	3	2	1
CO2	3	3	3	2	1	1	1	0	3	3	3	2

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Faculty of Humanities and Social Science

Department of Geography

B.A.- I Sem-II

Course Type : VSC-II
Course Title : Advanced Geospatial Applications
Course Code : 101GEO2104
Credits : 02 **Max. Marks: 50** **Lectures: 45 Hrs.**

Learning Objectives:

LO 1. To develop skills in spatial analysis

LO 2. To introduce satellite data interpretation

LO 3. To enable project-based learning using advanced tools

Course Outcomes:

After completion of course the student will be able to-

CO 1. Ability to perform basic to advanced spatial analysis

CO 2. Interpretation of satellite imagery

CO 3. Preparation of project reports

CO 4. Effective use of Google Earth Pro and Bhuvan

Unit No.	Title of Unit & Contents	Hrs.
I	**Advanced Geospatial Concepts**	14
	1. Coordinate systems and map projections 2. Basics of spatial data analysis 3. Data sources (satellite and open data) 4. Introduction to GIS applications	
	Unit Outcomes: **UO1 :** Apply geospatial concepts and GIS tools for spatial data analysis and mapping.	
II	**Google Earth Pro (Advanced)**	11
	1. Features of Google Earth Pro 2. Historical imagery analysis 3. 3D visualization 4. Import/export of data	
	Unit Outcomes: **CO1:**Apply advanced features of Google Earth Pro for spatial	

Unit No.	Title of Unit & Contents	Hrs.
	analysis, 3D visualization, and data handling.	
III	**Bhuvan Advanced Applications**	10
	1. Advanced tools in Bhuvan 2. Thematic mapping (agriculture, water resources) 3. Bhuvan Panchayat applications 4. Role of Indian Space Research Organisation	
	Unit Outcomes: **CO1:** Apply advanced tools of Bhuvan for thematic mapping and geospatial analysis in rural and environmental applications.	
IV	**Project & Spatial Analysis**	10
	1. Land Use/Land Cover (LULC) analysis 2. Disaster mapping 3. Field survey using GPS/mobile tools 4. Project report and presentation	
	Unit Outcomes: **CO1:** Apply spatial analysis techniques for LULC mapping, disaster analysis, field data collection, and project reporting using GIS tools.	

Learning Resources:

Books

1. Ian Heywood et al. – *An Introduction to Geographical Information Systems*, Pearson
2. Paul A. Longley et al. – *Geographical Information Systems and Science*, Wiley
3. Michael N. DeMers – *Fundamentals of Geographic Information Systems*, Wiley
4. Norman Kerle – *Remote Sensing and Image Interpretation*
5. Savindra Singh – *Geographical Information System*

Software / Tools

- QGIS (mapping, LULC analysis)
- ArcGIS (advanced spatial analysis)
- Google Earth Pro (visualization, field planning)
- Bhuvan (Indian spatial datasets

Internal Examination Pattern :

CAT – I : Assignments / Poster Presentation/ Model Making
CAT – II : Seminar / Group Discussion / Book Review

Mapping of POs, PSOs and COs:

COs/POs & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	3	2	2	1	1	0	2	3	3	2
CO2	2	3	3	2	2	1	1	0	2	3	3	2
CO3	2	2	3	3	3	2	1	1	2	3	3	3
CO4	2	3	3	2	3	1	1	0	2	3	3	2

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Empowered Autonomous Institution

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.

Shiv Chhatrapati Shikshan Sanstha's

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Empowered Autonomous Institution

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 Scored 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/SEC (Science & Technology)	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