Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Structure and Curriculum of Four-Year Degree Programme

Postgraduate Programme of Humanities and Social Sciences

M.A. in Geography

Board of Studies in Geography

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

w.e.f. June, 2023

(In accordance with NEP-2020)

Academic Year-2023-24

Review Statement

The NEP CELL reviewed the Curriculum of **M.A. 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

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

CERTIFICATE

I hereby certify that the documents attached are the Bonafide copies of the curriculum of **M.A. 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
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

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. Jagadish 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./M.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./M.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 MMC 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.

(Prof. S.J. Phule)
Chairperson
Board of Studies in Geography

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Index

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

PG Skeleton in Accordance with NEP-2020

Illustrative Credit Distribution Structure for Two Years M.A. Degree

Year Level	Sem	Major		RM	OJT/FP	RP	Cum. Cr	Marks	Degree
		Mandatory	Elective						
I 6.0	I	MMC I 4Cr MMC II 4Cr LC-I 4Cr	MEC-I (A) OR MEC-I (B) 4Cr	RMC 4 Cr	NA	NA	20 Cr	Theory: 01 Cr. = 25 M. LC 01 Cr. = 50 M.	PG Diploma (After 03 Year B.A. Degree)
	II	MMC III 4Cr MMC IV 4Cr LC-II 4Cr	MEC-II (A) OR MEC-II (B) 4Cr	NA	FP-I 4Cr	NA	20 Cr	OJT/FP: 1Cr = 25M	
	Total	**MMC 24Cr**	**MEC 04Cr**	**RMC 04 Cr**	**OJT/ FP 04 Cr**	**NA**	**40Cr**		
II 6.5	III	MMC V 4Cr MMC VI 4Cr LC-III 4Cr	MEC-III (A) OR MEC-III (B) 4Cr	NA	NA	RP-I 4 Cr	20 Cr	RP-I & RP-II: 1Cr = 25M	PG Degree (After 03 Year UG Degree)
	IV	MMC VII 4Cr MMC VIII 4Cr LC-VI 4Cr MMC I 4Cr	MEC-VI (A) OR MEC-VI (B) 4Cr	NA	NA	RP-II 6 Cr	22 Cr		
	Total	**MMC 24 Cr**	**MEC 08 Cr**	**NA**	**NA**	**RP 10 Cr**	**42 Cr**		
Cum.Total of I & II Year		**MMC 48 Cr**	**MEC 16 Cr**	**RMC 04 Cr**	**OJT/ FP 04 Cr**	**RP 10 Cr**	**40+42 =82 Cr**		**82 Credits**

Abbreviations:

1. MEC : Major Elective Course
2. RMC : Research Methodology Course
3. OJT : On Job Training (Internship/Apprenticeship)
4. FP : Field Project
5. RP : Research Project
6. Cum.Cr : Cumulative Credit

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Faculty of Humanities

Department of Geography

M.A. in Geography

Year & Level	Semester	Course Code	Course Title	Credits	No. of Hrs.
6.0	I	601GEO1101	Geomorphology	4 Cr	60
		601GEO1102	Climatology	4 Cr	60
		601GEO1103	Lab Course-I	4Cr	120
		601GEO1201 OR 601GEO1202	Oceanography OR Geography of Tourism	4 Cr	60
		601GEO1301	Research Methodology	4 Cr	60
	Total Credits			**20**	
	II	601GEO2101	Economic Geography	4 Cr	60
		601GEO2102	Urban Geography	4 Cr	60
		601GEO2201 OR 601GEO2202	Political Geography OR Fundamentals of Natural Disaster	4 Cr	60
		601GEO2103	Lab Course-II	4Cr	120
		601GEO2401	Field Project	4 Cr	
	Total Credits			**20**	
Total Credits (Semester I & II)				**40**	

Programme Outcomes (POs) for M.A. Programme	
PO 1	
PO 2	
PO 3	
PO 4	
PO 5	
PO 6	
PO 7	

Programme Specific Outcomes (PSOs) for M.A. in Geography (Honors/Research)	
PSO No.	Upon completion of this programme the students will be able to
PSO 1	This specific programme will be helpful to the student for extract the knowledge of geographical aspects at local, regional, national and global level. e.g. topography, climate oceanic activities etc.
PSO 2	The students will understand how to the study of geographical elements around us.
PSO 3	Apply the Geographical Information Technology for Sustainable Development of the Nation.
PSO 4	The students will become competent to face various competitive examinations and build their career.
PSO 5	The students will have an advanced level understanding.
PSO 6	Enlarge their professional foundations through activities such as teaching, internships, and fellowships
PSO 7	Communicate scientific results in writing and in oral presentation.
PSO 8	Acquire the basic tools needed to carry out independent research.

Semester - I

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type: MMC-I

Course Title: Geomorphology

Course Code: 601GEO1101

Credits: 04 **Max.Marks:100** **Hours: 60**

Learning Objectives:

LO 1. To familiarize the students with the need for understanding of geomorphology with reference to certain fundamental concept.

LO 2. To understand the internal and external processes of landscape evolution.

LO 3. To sensitize the students background knowledge of geology and environmental science.

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. Increase ability to classify and describe landforms in variety of environmental setting.

CO 2. Analyze geomorphologic systems in terms of resisting and deriving force.

CO 3. Analyze relationship between physical and human aspects of environments and landscape.

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction to Geomorphology**	**15**
	i) Definition, nature and scope of Geomorphology ii) Fundamental concepts in Geomorphology	
	Unit Outcomes: UO1. To familiarize the students with the need for understanding of geomorphology with reference to certain fundamental concept	
II	**Endogenic Processes**	**15**
	i) Slow movements – vertical and horizontal movements ii) Sudden movements – Earthquake and Volcanoes	
	Unit Outcomes: UO 1. To understand the internal and external processes of landscape evolution.	
III	**Exogenic Processes**	**15**

	i) Fluvial ii) Arid iii) Glacial iv) Karst v) Coastal	
	Unit Outcomes: UO 1. To sensitize the students background knowledge of geology and environmental science.	
IV	**Theories**	**15**
	i) Wegner's continental drift theory ii) ii) Plate tectonics	
	Unit Outcomes: UO 1. To understand concept of region, geographical region and their types.	

Learning Resources:

1. Spatial Analysis in Geomorphology : Chorley, R.J., Methuen, London, 1972.
2. Encyclopedia of Geomorphology:Fairbridge, R.W, Reinholdts, New York, 1968.
3. The Origin of Landscape – A Synthesis of Geomorphology : Garner, H.F., Oxford University Press, London, 1974.
4. Weathering, Longman : Ollier, C.D., London, 1979.
5. Introduction to Geomorphology : Pitty, A.F. , Methuen, London, 1971.
6. The Dynamic Earth : Skinner, B.J. & Porter, S.C., John Wiley, New York, 1995.
7. Perspectives in Geomorphology : Sparks, H.S.(ed.), Concept, New Delhi, 1980.
8. Geomorphology : Singh, S., Prayag Publication, Allahabad, 1998.
9. Principles of Geomorphology : Thornbury, W.D., John Wiley, New York, 1960.

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type: MMC-II

Course Title: Climatology

Course Code: 601GEO1102

Credits: 04 **Max.Marks:100** **Hours: 60**

Learning Objectives:

LO 1. Understand the Weather and Climate Phenomenon.

LO 2. Gain knowledge about Atmospheric Pressure and Winds System.

LO 3. Acquire knowledge about Evaporation, Humanity and Precipitation.

LO 4. Aware about global warming and climate change.

Course Outcomes:

After completion of course the student will be able to

CO 1. Understand the weather and climatic phenomena

CO 2. Explain weather and climatic phenomena.

CO 3. Aware about global warming and climate change.

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction**	**15**
	i) Nature and scope of climatology ii) Composition and structure of the atmosphere iii) Temperature, Factors affecting on distribution of temperature, vertical and horizontal distribution of temperature, heat balance of the earth.	
	Unit Outcomes: UO 1. Understand the Weather and Climate Phenomenon.	
II	**Atmospheric Pressure and Winds**	**15**
	i) Atmospheric pressure, vertical and horizontal distribution of pressure, pressure Belts. ii) Winds, types of winds	
	Unit Outcomes: UO 1. Gain knowledge about Atmospheric Pressure and Winds System.	

III	**Atmospheric Moisture**	**15**
	i) Evaporation and Humidity. ii) Condensation and Precipitation.	
	Unit Outcomes: UO 1. Acquire knowledge about Evaporation, Humanity and Precipitation.	
IV	**Atmospheric Disturbances**	**15**
	i) El Nino and La Nina. ii)Global warming and Climate change	
	Unit Outcomes: UO 1. Aware about global warming and climate change.	

Learning Resources:

1. Atmosphere, Weather and Climate : Barry, R.G. and Chorley P.J., Routiedge, London and New York, 1998.
2. General Climatology : Critchfied, J.H., Prentice Hall, India, New Delhi, 1993.
3. Monsoons : Das, P.K., National Book Trust, New Delhi, 1987.
4. Climatology: Lal, D.S. , ShardaPustakBhavan, Allahabad.
5. Introduction to Meteorology : Peterson, S. , McGraw hill book, London, 1969.
6. Contemporary Climatology : Robinson, P.J. and Henderson S., Henlow, 1999.
7. Applied Climatology : Thompson, R.D. and Perry, A. (ed.), Principles and Practice, Routledge, London, 1997.
8. हवामानशास्त्र आणि सागर विज्ञान : शेटे ,एस .टी:, अभिजित पब्लिकेशन ,लातूर.

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type: LC-I

Course Title: Lab Course

Course Code: 601GEO1103

Credits: 04 **Max.Marks:100** **Hours: 120**

Learning Objectives:

LO 1. To familiarize how topographic, cadastral maps of any area to be prepared to enhance the skill.

LO 2. In the field of survey, students should understand the principles of map making.

LO 3. Enhance the of Cartography.

LO 4. Acquire knowledge of first hand data collection.

Course Outcomes:

After completion of course the student will be able to

CO1. Learn the basics of topographical and cadastral maps, and their interpretation.

CO2. Enhance the skill of field survey.

CO3. Understand the methods of slope analysis.

Unit No.	Title of Unit & Contents	Hrs.
I	**Profile & Slope Methods**	**30**
	i) Profile –Serial, Superimposed, Projected Composite ii) Slope- Methods of measurements of slopes i) Degree ii) Gradient iii) Percentage iv) Mills iii) Methods of slope analysis i) C.K. Wentworth's method ii) G.H.Smith' Method iii) Robinson's Dot method	
	Unit Outcomes: UO 1. To familiarize how topographic, cadastral maps of any area to be prepared to enhance the skill.	
II	**Interpretation of topographical maps**	**30**
	i) Interpretation of topographical maps of coastal, mountainous, arid and plain regions of India and foreign countries.	
	Unit Outcomes: UO 1. In the field of survey, students should understand the principles of map making.	

III	**Representation of Climatic Data**	**30**
	i) Drawing of Isolines ii) Ergograph iii) Climatograph iv) Wind rose, octagonal wind rose, star diagram v) Rainfall dispersion diagram	
	Unit Outcomes: UO 1. Enhance the of Cartography.	
IV	**Field Visit**	**30**
	i) Visit to geographically Important Locations ii) Preparation and submission of field visit report	
	Unit Outcomes: UO 1. Acquire knowledge of firsthand data collection.	

Learning Resources:

1. PrayogikBhoogol : Sharma, J.P., Rastogi Publication, Merath.
2. Fundamentals of Cartography : Misra, R.P. , Concept Publishing, New Delhi.
3. Elements of Cartography : Robinson, A.H. et al. , John Wiley and Sons, USA.1995.
4. Practical Geography- A Systematic Approach : Sarkar, A.K. , Orient Longman, Culcutta. 1997.
5. Elements of Practical Geography : Singh, R.L. and Dutt, P.K. , Kalllyani Publishers, New Delhi. 1979.

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type: MEC-I (A)

Course Title: Oceanography

Course Code: 601GEO1201

Credits: 04 **Max.Marks:100** **Hours: 60**

Learning Objectives:

LO 1. Student aware about the physical and chemical properties of ocean.

LO 2. To familiarize the student with oceanic circulations.

LO 3. To understand the coastal processes and diversified resources the ocean hold.

LO 4. Students know about the Biological Mineral and Energy Resource.

Course Outcomes:

After completion of course the student will be able to

CO 1. Understand the basic concepts, processes and analytic tools of science of oceanography.

CO 2. Expose students about the chemistry of ocean water, principles of motion of ocean circulation.

CO 3. Evaluate and articulate the application and relevance of specific oceanographic topics to

CO 4. The world around them at a personal, community and global level.

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction to oceanography**	**15**
	i) Definition, nature and scope of oceanography. ii) Nature of ocean floor-continental shelf, continental slope, deep ocean basin and trenches. iii) Bottom topography of the Atlantic, Pacific and Indian Oceans	
	Unit Outcomes: UO 1. Student aware about the physical and chemical properties of ocean.	
II	**Physical and Chemical Properties of Ocean**	**15**
	i) Distribution of Temperature. ii) Distribution of Salinity.	
	Unit Outcomes: UO 1. To familiarize the student with oceanic circulations.	
III	**Oceanic Circulation**	**15**

	i) Waves ii) Tides iii) Ocean currents	
	Unit Outcomes: UO 1. To understand the coastal processes and diversified resources the ocean hold.	
IV	**Marine Deposits and Resources**	**15**
	i) Marine deposits – classification of deposits. ii) Biological Resources. iii) Mineral and Energy Resources.	
	Unit Outcomes: UO 1. Students know about the Biological Mineral and Energy Resource.	

Learning Resources:

1. The World Oceans –An introduction to Oceanography : Anikouchine, W.A. and Sternberg, R.W., Englewood Cliffs, N.J. 1973.
2. General Oceanography – An Introduction : Grald, S., John Wiley and Sons, New York, 1980.
3. Oceanography : Garrison, T., Wadsworth.com, USA 1998.
4. Beaches and Coasts : King, C.A.M., E. Arnold, London, 1972.
5. Oceanography for Geographers : King, C.A.M. ,E. Arnold, London, 1975.

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type: MEC-II (B)

Course Title: Geography of Tourism OR

Course Code: 601GEO1202

Credits: 04 **Max.Marks:100** **Hours: 60**

Learning Objectives:

LO 1. Contextualize tourism within broader physical, cultural, environmental, and economic dimensions of society.

LO 2. Critique tourism practices for their implications locally and globally.

LO 3. Interpret and evaluate tourism as a phenomenon and as a business system

LO 4. Plan, lead, organize and control resources for effective and efficient tourism

Course Outcomes:

After completion of course the student will be able to

CO 1. To elucidate the basic concepts, and assess different forms of tourism

CO 2. To identify role of geography along with economic, social, and environmental importance of tourism i dustry

CO 3. To provide skills in terms of tourism management, environmental preservation, and conservation

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction to Tourism**	**15**
	i) Scope and Content of Tourism Geography. ii) Economic and Social significance of tourism. iii) Tourism Components**:** Accessibility, Accommodation, Attraction, iv) Motivation Seasonality. v) Impacts of Tourism on Cultural, Socio-Economic, Physical & Environment. vi) Effects of Tourism on employment and Development of Infrastructure. vii) Tourism as a foreign exchange earner.	
	Unit Outcomes: UO 1. Contextualize tourism within broader physical, cultural, environmental, and economic dimensions of society.	
II	**Types of Tourism**	**15**

	i) Types of Tourism: Religious, Cultural, Historical, Recreational, Hills, Coastal, and Ecological Tourism ii) Robinson's classifications of Tourism. iii) Forms and Types of Tourism: Domestic, Business National and Internation iv) New Forms of Tourism: Adventure Tourism, Green Tourism, Eco tourism, MICE Tourism,Soft Tourism, Sports Tourism and Rural tourism.	
	Unit Outcomes: UO 1. Critique tourism practices for their implications locally and globally.	
III	**Tourism Management & Planning:**	**15**
	i) Tourism Management – Objective, Strategies and Types of Tourism Management. ii) Tourism Planning Programmes and Process. iii) Types of Tourism Planning : Sectoral, Spatial, Integrated, Complex, Centralized and Decentralized. iv) Tourism Demand: Determinants and Measurement - Cost benefit analysis -Multiplier effect. v) Role of Public and Private sectors in the development of Tourism.	
	Unit Outcomes: UO 1. Interpret and evaluate tourism as a phenomenon and as a business system	
IV	**Tourism development in India**	**15**
	i) Tourism development in India. ii) Tourism development in Karnataka. iii) Tourism and Environmental management - Sustainable Tourism Management, Wildlife Management, Environmental Preservation and Conserv iv) Community Involvement and participation	
	Unit Outcomes: UO 1. Plan, lead, organize and control resources for effective and efficient tourism	

Learning Resources:

1. "Principles of Tourism": Swain and Mishra (2011), Oxford University Press, New Delhi
2. "Tourism Development: Principles and Strategies,: A.K.Bhatia,(2012) ,Sterling Publishers, New Delhi
3. An Introduction to the Geography of Tourism, : Velvet Nelson (2013) –Rowman & Littlefield Publishers
4. "Fundamentals of Travel and Tourism": Ballabh, A (2005), , Akansha Publishing House, NewDelhi
5. "Tourism Systems": Mill, and Morisson, (2006), Kendal Publications, Dubuque.

6. Tourism Geography : Stephen Williams (1998) –, Routledge, London
7. Tourism Management : P.C.Sinha, (2010), Anmol Publications Private, Ltd
8. Tourism Management : Romila Chawla,(2003), Sonali Publications Private, Ltd.
9. Tourism Management : Parul Gupta, (2011), Global India Publications Private, Ltd
10. Tourism Geography : Dixit N.K. (2010), Vista International Publishing
11. An Introduction to the Geography of Tourism : Velvet Nelson (2013), Rowman & Littlefield
12. Tourism Dimensions : S K Tiwari (1994), Atmaram Publisher New-Delhi.
13. A Geography of Tourism : Robinson H (1996), Macdonald and Evans- Londan.

Websites:

1. https://tourism.gov.in/
2. https://www.incredibleindia.org/content/incredibleindia/en.html
3. https://www.karnatakatourism.org/
4. https://saathi.qcin.org/
5. https://nidhi.nic.in/HotelDivision/Default.aspx

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type: RM

Course Title: Research Methodology

Course Code: 601GEO1301

Credits: 04 **Max.Marks:100** **Hours: 60**

Learning Objectives:

LO 1. To make the students familiar with the elements of basic research procedure.

LO 2. Acquired geographical Knowledge and examine the contemporary issues.

LO 3. Acquire to skill in qualitative and quantitative methods.

LO 4. To students will be able to preparation of research report.

Course Outcomes:

After completion of course the student will be able to

CO 1. Apply the research methods in geographical analysis.

CO 2. Design and articulate a geographical research proposal.

CO 3. Enhance the ability to choose appropriate method/s to answer a research question.

CO 4. Adopt the practical skills in quantitative and qualitative methods.

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction**	**15**
	i) Science and Research ii) Meaning of Research iii) Types of Research	
	Unit Outcomes: UO 1. To make the students familiar with the elements of basic research procedure.	
II	**Approaches, Problem and Hypothesis**	**15**
	i) Approaches of Research ii) Research Problem iii) Hypothesis	
	Unit Outcomes: UO 1. Acquired geographical Knowledge and examine the contemporary	

	issues.	
III	**Methods of Data Collection**	**15**
	i) Types of Data and Data Collection ii) Sampling iii) Processing and Analysis of Data	
	Unit Outcomes: UO 1. Acquire to skill in qualitative and quantitative methods.	
IV	**Methods of Data Analysis & Report Writing and Evaluations**	**15**
	i) Research Report- Preparation of Draft, Contents, Quotations, Footnotes, References & Bibliography. ii) Role of Computer in Research.	
	Unit Outcomes: UO 1. To students will be able to preparation of research report.	

Learning Resources:

1. A mode for thesis of research paper Houghton : Balloy Stephen V.-, Mifflin, Bosten, New York-1970
2. Directions in Geography : Cohrly R.J.-, Mettenen.
3. Geographical Research & Writing : Durenberger.R.W.- New York, Thomas Y. Cromwelyd Co 1971.
4. A Modern synthesis : Haggett P.-Geography :- New York- Harper and row.
5. Methods of Social Survey and Research : Bajpai S. R. (1975), Kitabghar, Kanpur.
6. Theory and Practice in Social Research: Hans Raj (1988), Surjeet Publication, Kolhapur.
7. Methodology of Research in Social Science :Krishnaswami O. R. (1988), Himalaya Pub. House.
8. Quantitative Technique : Kothari, C. R. (2005), New Delhi, Vikas Publication House.
9. Development of Research tools : Gautam, N. C. (2004), New Delhi, Shree Publishers.
10. Research Methodology and Statistical Techniques : Gupta, Santosh (2005), Deep and Deep Publications.
11. Style Manual : Chandera A. and Sexena T. P. (2000), New Delhi, Metropolitan Book Comp. Ltd.
12. Theories of Knowledge : Shukla, J. J. (1999), Ahmadabad, Karnavati Publication. Bhattacharya,
13. Research Methodology : D. K. (2004), New Delhi, Excel Books.

Semester - II

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type: MMC- III

Course Title: Economic Geography

Course Code: 601GEO2101

Credits: 04 **Max.Marks:100** **Hours: 60**

Learning Objectives:

1) To make aware about the primary, secondary and tertiary economic activity.
2) To familiarize the students about factors affecting on economic Activities.
3) To introduce the industrial location theories.

Course Outcomes:

After completion of course the student will be able to

1. Classify the economic activities.
2. Know the modal of stage of growth..
3. Understand the how the locational factors effects on location of industries in India.

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction to Economic Geography**	20
	1. Definition, Nature and Scope of Economic Geography 2. Relation of Economic Geography with economics and other branches of Social Sciences. 3. Sectors of Economy-Primary, Secondary and Tertiary.	
	Unit Outcomes: UO 1. Know the sector of Economy.	
II	**Factors affecting on location of economic activities & models.**	12
	1. Factors affecting on location of economic activities; Physical, social, economic and cultural. 2. Rostov's model of stages of growth	
	Unit Outcomes: UO 1.Understand the how the effects on Location of economic activities.	
III	**Classification of industries**	15
	1. Classification of industries. 2. Industrial location Theory of Weber.	

	3. Case studies of selected industries in the world with special reference to India- i. Iron and Steel, ii. Cotton	
	Unit Outcomes: UO 1. Aware about the Classification of Industries.	
IV	**Modes of Transportation**	13
	1. Road ways 2. Rail ways 3. Water ways 4. Air ways	
	Unit Outcomes: UO 1. Acquire knowledge about the modes of Transportation.	

Learning Resources:

1. Geography of Market Centers and Retail distribution: Berry J.L., Prentice Hall, New York, 1967.
2. Network Analysis in geography: Chorle, R.J. and Haggett, P., Arnold, 1969.
3. Enery and Economic Development in India: Pachuri, R.K., Praeger, New York, 1977.
4. The Stages of Economic Growth: Rostow, W.W., Cambridge University Press, London, 1960.
5. Economic Geography: Wheeler, J.O. et.al., John Wiley, New York, 1995.

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type: MMC- IV

Course Title: Urban Geography

Course Code: 601GEO2102

Credits: 04 **Max. Marks. 100** **Lectures: Hrs. 60**

Learning Objectives:

1) Understand the process of urbanization and origin, growth and classification of urban settlements with relevant theories and models.
2) Examine the changing economic base and structure of the contemporary cities.
3) Relate urbanization process and the evolution of urban system.
4) Examine the contemporary urban issues and suggest new urban planning and urban policy perspectives

Course Outcomes:

After completion of course the student will be able to

1) understand the basic concepts and theories in the field of urban geography
2) better sense of the elements that constitute urban systems.
3) know the political, economic, and technological forces shaping the development of urban systems.
4) understand the social processes associated with creating order and disorder in the urban environment.

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction**	15
	1. Meaning, Nature and Scope of Urban Geography. 2. Significance of the Study of the Urban Geography. 3. Attributes of Urban Places During Ancient, Medieval and Modern Periods.	
	Unit Outcomes: UO 1. Understand the nature & Scope of Urban Geography.	
II	**Urbanization**	15
	1. Process of Urbanization- From Early Period to Modern and 20th Century Trends of Urbanization. 2. Concept of City Region, Rural-Urban Fringe, Urban Sprawl and Ribbon Corridor. 3. Megalopolis, Conurbation, Rank Size Rule, Primate City,	

	Central Business District. 4. Concept of Hinterland and Umland.	
	Unit Outcomes: UO 1. Know the Process of Urbanization.	
III	**Theories and Landuse Models**	15
	1. Central Place Theory of Christaller. 2. Theory of Peroux and Boudeville. 3. Concentric Zone Model of E.W. Burgess. 4. Sector Model of Homer Hoyte. 5. Multiple Nuclei Model of Harris and Ullman.	
	Unit Outcomes: UO 1. Understand the Theories & Landuse Models.	
IV	**Contemporary Issues**	15
	1.Contemporary Issues of Indian Urban Centers-Slums, Urban Renewal, Urban Crime, Urban Infrastructure, Urban Poverty, Housing and Environmental Pollution.	
	Unit Outcomes: UO 1. Familiar the Contemporary Issues.	

Learning Resources:

1. The Study of Urban Geography Carter:, Edward Arnold Publishers, London, 1972.
2. City and Region: Dickinson, R.E. :, Routledge, London, 1964.
3. Urban Research Methods: Gibbs J.P. :, D. Van Nostrand Co. Inc. Princeton, New Jersey, 1961.
4. Urban and Regional Planning: Hall P. :, Routledge, London, 1992.
5. The Study of Urbanisation: Hauser, P.E. and Schnore Leo F. (ed.):, Wiley, New York, 1965.
6. Culture and Cities: Mumford, L., McMillan & Co., London, 1958.

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type: LC-II

Course Title: Lab Course-II

Course Code: 601GEO2101

Credits: 04 **Max.Marks:100** **Hours: 120**

Learning Objectives:

1) The objective of this course is to train the students in the arts of representing climatic data through different graphs and diagrams.
2) To familiarize the students with statistical techniques

Course Outcomes:

After completion of course the student will be able to

1) determine appropriate methods for identifying, collecting, and analyzing primary and secondary data.
2) develop an understanding of the nature and limitations of data used in geographical analysis

Unit No.	Title of Unit & Contents	Hrs.
I	**Graphical presentation of frequency**	30
	1. Histogram 2. Frequency Polygon 3. Ogive curve	
	Unit Outcomes: UO 1 To Familiarize how Histogram Frequency, Polygon, Ogive Curve to be Prepared to enhance the skill.	
II	**Measures of deviation and correlation**	30
	i) Measures of deviation a)Quartile deviation b) Mean deviation c) Standard deviation ii) Methods of measuring correlation a) Scattered diagram method c) Graphic method b) Karl Pearson's method d) Rank order Spearman's method	
	Unit Outcomes: UO 1. Students aware about the deviation & correlation.	
III	**Chi-square and regression**	30
	1. Chi-square Test and Standard Error	

	2. Regression equation and regression line 3. Interpretation of Weather maps of India 4. Weather station model 5. Identification of climatic types according to Koppen	
	Unit Outcomes: UO 1. To Understand the Process of Chi-Square & regression.	
IV	**Interpretation of maps, Models.**	30
	i) Interpretation of Indian daily whether maps ii) Interpretation of Maps	
	Unit Outcomes: UO 1. Enhance the Cartography.	

Learning Resources:

1. PrayogikBhoogol: Sharma, J.P. , Rastogi Publication, Merath.
2. Fundamentals of Cartography: Misra, R.P., Concept Publishing, New Delhi.
3. Elements of Cartography: Robinson, A.H. et al., John Wiley and Sons, USA.1995.
4. Elements of Practical Geography: Singh, R.L. and Dutt, P.K., Kalllyani Publishers, New Delhi. 1979.

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type: MEC-II (A)

Course Title: Political Geography OR

Course Code: 601GEO2201

Credits: 04 **Max.Marks: 100** **Hours: 60**

Learning Objectives:

1. To introduce elements of state.
2. To explain concepts of state and nation.
3. To evaluate global strategic views.
4. To make aware about the concept of geopolitics.

Outcomes:

After completion of course the student will be able to

1) Understand the elements of state.
2) Know the difference between state and nation.
3) Familiar with global strategic view.
4) express the concept of geopolitics.

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction to Political Geography**	18
	1. Meaning, Nature and Scope of Political Geography 2. Approaches to the Study of Political Geography 3. Significance of the study of Political geography	
	Unit Outcomes: UO 1. Understand the nature and Scope of Political Geography.	
II	**Geographic Elements of the State**	15
	1. Physical Elements 2. Cultural Elements	
	Unit Outcomes: UO 1. Understand the elements of state.	
III	**Themes in Political Geography**	15
	1. State and Nation 2. Frontiers and Boundaries, Core Areas	

	3. Capitals- Classification and Functions	
	Unit Outcomes: UO 1. Know the difference between state and nature.	
IV	**Global Strategic Views**	13
	1. The Views of Mahan, Mackinder and Spykman Theory . 2. Geopolitical Significance of the Indian Ocean.	
	Unit Outcomes: UO 1. Familiar with global strategic view.	

Learning Resources:

1. Political Geography: A Contemporary Perspective: Dikshit, R.D., Tata McGraw hill, New Delhi. 1996.
2. Modern Political Geography of India: Sukhwal B.L., Sterling Publishers, New Delhi, 1968.
3. Political Geography: Taylor, Peter, Longman, London, 1985.
4. Political Geography: Pounds N.J.G.:, McGraw Hill, New York, 1972.
5. राजकीय भूगोल: विठ्ठल घारपुरे:, पिंपळापुरे अंडपब्लिशर्स, नागपूर
6. राजकीय भूविज्ञान: गुळवे एम एन:, कैलाश पब्लिकेशन, औरंगाबाद.

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Geography

Course Type: MEC-II (B)

Course Title: Fundamentals of Natural Disasters

Course Code: 601GEO2202

Credits: 04 **Max. Marks: 100** **Hours: 60**

Learning Objectives:

1. The paper is intended to provide a general concept in the dimensions of disasters caused by nature beyond the human control.
2. Introduce a holistic classification of natural disasters considering the Earth Sciences
3. Demonstrate the devastating effect of natural disasters to society

Outcomes:

After completion of course the student will be able to

1. Understand the basics concepts in natural disasters
2. Students of natural disasters and their effects

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction to Natural Disaster**	15
	1. Meaning, definition, and scope. 2. Lithosphere and Natural Disasters 3. Earthquakes and volcanoes, Landslides and Avalanches	
	Unit Outcomes: UO 1. Understand the nature of natural.	
II	**Atmosphere and Natural Disasters**	15
	1. Heat wave and wildfire, Cloud burst, hailstorm, Drought and famines	
	Unit Outcomes: UO 1. To aware with Atmosphere & Natural Disasters.	
III	**Hydrosphere and Natural Disaster**	15
	1. Tsunami, Hurricanes and cyclones, Floods and flash floods	
	Unit Outcomes:	

	UO 1. To aware with Hydrosphere and Natural Disasters.	
IV	**Biosphere and Natural Disasters**	15
	1. Epidemics and pandemics, Covid -19 and its effects 2. Techniques and technology to mitigate natural disasters	
	Unit Outcomes: UO 1. To Understand the emerging issues of Biosphere & Natural Disasters.	

Learning Resources:

1. Disaster Management Dr. Mrinalini Pandey. Wiley India Pvt. Ltd.
2. Disaster Science and Management: Tushar Bhattacharya, McGraw Hill Education (India) Pvt. Ltd.
3. Disaster Management: Jagbir Singh: Future Challenges and Opportunities K W Publishers Pvt. Ltd.
4. Disaster Management: J. P. Singhal Laxmi Publications.
5. Biodiversity, Environment and Disaster Management: Shailesh Shukla, Shamna Hussain, Unique Publications

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

PG 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 Tutorial 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

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 Scored CAT & Mid Term	SEE	Total
1	2	3				4		5	6	5+6
		Att.	CAT I	Mid Term	CAT II	Att.	CAT			
Research Methodology	100	10	10	20	10	-	-	40	60	100
DSC/DSE	75	05	10	15	10	-	-	30	45	75
Lab Course	50	-	-	-	-	05	20	-	25	50
Field Project	100	10	10	20	10	-	-	40	60	100

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.