

BANKURA ZILLA SARADAMANI MAHILA MAHAVIDYAPITH
DEPARTMENT OF GEOGRAPHY
Programme Outcome, Programme Specific Outcome and Course Outcome
For B.Sc. in Geography Hons.
2022-2023

Programme Name: B. Sc. Honours in Geography
Session: 2022-2023

Programme Outcomes:

After successful completion of three-year degree program in Geography, a student should be able to:	
PO-1.	Examine, understand, and possess a firm understanding of the main concepts in every subject of geography.
PO-2.	Able to comprehend the evolution of geography through many philosophical perspectives and its contemporary framework.
PO-3.	The relationships between various areas of geography will be taught to the students.
PO-4.	They are capable of accurately analyzing both qualitative and quantitative data in the geographic field.
PO-5.	Students will be able to assist policymakers with various economic and environmental projects by taking this interdisciplinary course.

Programme Specific Outcomes:

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PSO-1.	Learn about the many geological time periods and the geo-tectonic and geomorphic forces that have shaped the earth.
PSO-2.	The concept of creating socio-economic maps using statistical techniques and cartographic tools.
PSO-3.	A concept regarding the regional geography of India and West Bengal, with a particular emphasis on the primary, secondary, and tertiary sectors of production.
PSO-4.	Students will learn about the world and how human activities are subject to adaptation and change on a global scale.
PSO-5.	Students will gain knowledge of cartographic data, learn how to read maps, comprehend GIS software, use remote sensing technologies, and analyze digital data.

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Course Outcomes of B.Sc. Honours in Geography

Course Code	Course Title	Course Outcome/Learning Outcome
UG (Semester-I)		
SHGEO/101/C-1T	Geotectonic and Geomorphology	<ol style="list-style-type: none"> 1. Knowing the Earth's beginnings and development, particularly in light of interdisciplinary approaches like the Big Bang Model. 2. To gain an understanding of our dynamic planet's geology. 3. Being aware of the main mechanisms underlying its surface characteristics.
SHGEO/102/C- 2P	Cartographic Techniques	<ol style="list-style-type: none"> 1. Gaining proficiency in cartography procedures and techniques can help you learn how to measure the many earthly features. 2. Creating ideas for depicting the earth as a planet. 3. learning various surveying and leveling techniques in order to measure the earth's surface features on both horizontal and vertical planes.
UG (Semester-II)		
SHGEO/201/C- 3T	Human Geography	<ol style="list-style-type: none"> 1. Comprehending human geography's nature and fundamentals, with a focus on human culture. 2. Creating theories on human evolution and the spatial characteristics of populations. 3. The analysis of man-environment interactions will be taught to the students.
SHGEO/ 202/C- 4P	Cartograms and Thematic Mapping	<ol style="list-style-type: none"> 1. The graphical representation of statistical data would be taught to the students. 2. Learn the fundamentals of cartography and how to create maps. 3. Gaining knowledge of topographical maps (OSM), their terminology, and the ability to analyze human-environment interactions in practice.
UG (Semester-III)		
SHGEO/ 301/C- 5T	Climatology	<ol style="list-style-type: none"> 1. The capacity to use a variety of physics principles learned in school to comprehend atmospheric phenomena, especially monsoon circulation. 2. Able to comprehend daily weather variations and their effects. 3. Given that the area is subject to the most destructive cyclone regime, it is important to comprehend the origin and path of tropical cyclones in real life.

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SHGEO/ 302/C- 6T	Geography of India	<ol style="list-style-type: none"> 1. Able to comprehend the country's overall geology and climate, as well as that of West Bengal state specifically. 2. will get knowledge about West Bengal's and India's socioeconomic features.
SHGEO/ 303/C- 7P	Statistical Methods in Geography	<ol style="list-style-type: none"> 1. A variety of quantitative methods will be taught to students to support standard qualitative interpretation. 2. As a geography tool, statistics gives geographical interpretation a solid scientific foundation and aids students in creating an empirical foundation for any geographical subject.
SHGEO/ 305/SEC-1P	Computer Basics and Applications	<ol style="list-style-type: none"> 1. The fundamentals of computer architecture, including operating systems, input and output devices, hardware and software components, etc., will be taught to the students. 2. They will learn how to use MS-EXCEL, namely statistical computations, formula creation, and data visualization, all of which have several uses in advanced education.
UG (Semester-IV)		
SHGEO/401/C- 8T	Regional planning & Development	<ol style="list-style-type: none"> 1. The procedures and techniques of planning for regional economic growth will be taught to the students. 2. Understand the many theoretical stances on regional planning at various levels. 3. Understand the current state of several regional development initiatives and policies implemented at the national and regional levels.
SHGEO/402/C-9T	Geography of Economic Activities	<ol style="list-style-type: none"> 1. would gain knowledge of the theoretical underpinnings of agriculture, which is highly relevant to a nation like India, where about two-thirds of the population depends on agriculture. 2. Additionally, it seeks to increase students' understanding of tourism as a substitute for traditional economic development.
SHGEO/403/C- 10P	Environmental Geography	<ol style="list-style-type: none"> 1. There is an environmental catastrophe throughout the world. The curriculum, which gives students hands-on experience with a variety of impact assessment techniques, is highly pertinent in light of this. 2. Additionally, students will learn a variety of methods for measuring environmental data. 3. Project-based learning will provide a more profound comprehension of the methods and ideas.

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SHGEO/405/SEC- 2P	GIS and GNSS	<ol style="list-style-type: none"> 1. Students will gain hands-on experience using GIS software and learn about its theoretical underpinnings. 2. Additionally, they will be able to deal with GPS/GNSS devices, gather waypoints, and work with them in GIS and MS-EXCEL platforms. 3. Students at the undergraduate level will also have practical experience with digital cartography and be able to create their own maps using GIS software.
UG (Semester-V)		
SHGEO/501/C- 11T	Evolution of Geographical Thought	<ol style="list-style-type: none"> 1. Students will gain knowledge of the discipline's evolution across its whole history. 2. It helps to understand the basic philosophy of geography which is broadly considered as “Areal Differentiation”. 3. It draws attention to distinct schools of thought that have developed in various parts of the world with a focus on the paradigm shift in the field at its inception.
SHGEO/502/C- 12P	Remote Sensing Techniques	<ol style="list-style-type: none"> 1. The fundamentals of remote sensing as a contemporary data collection method will be taught to the students. 2. They will gain useful knowledge on how to obtain, categorize, and analyze georeferenced earth data for use in a variety of research projects.
SHGEO/503/DSE- 1T	Hydrology and Oceanography	<ol style="list-style-type: none"> 1. Understand the patterns of surface runoff flow and the elements that regulate it, as well as the recharging and discharge of subsurface water. 2. By studying oceanography, students will be able to comprehend a variety of air-sea interaction processes.
SHGEO/504/DSE- 2T	Cultural and Settlement Geography	<ol style="list-style-type: none"> 1. Students will be able to relate various cultural characteristics to themselves as well as the ways in which culture has changed over time. 2. knowledge of the spatial distribution of both urban and rural settlement trends.
SHGEO/504/DSE- 2T	Urban Geography	<ol style="list-style-type: none"> 1. Students will study urbanization theories and concepts throughout the current, unprecedented urbanization phase. 2. Additionally, with particular reference to India, they will study about the various facets and issues of urbanization.
UG (Semester-VI)		
SHGEO/601/C- 13T	Disaster Management	<ol style="list-style-type: none"> 1. In the current situation, it is important to investigate disaster preparedness, mitigation, and management strategies. 2. Will cultivate concepts of disaster risk perception and will possess an understanding of the diverse types of disasters that occur in the country's various geographical regions. 3. Will acquire knowledge regarding a variety of environmental hazards, including earthquakes, landslides, cyclones, and flooding.

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SHGEO/602/C- 14P	Research Methodology and Field Work	<ol style="list-style-type: none"> 1. Geography is essentially a field-based science. Students can improve their comprehension of field observation and interpretation, as well as their report writing and presenting skills in front of specialists. 2. At the undergraduate level, students will have the authority to conduct their own research. 3. They will gain hands-on experience conducting independent research projects, which will eventually boost their confidence in their future academic endeavors and research.
SHGEO/603/DSE-3T	Soil and Biogeography	<ol style="list-style-type: none"> 1. The physical and chemical characteristics of soil, as well as the processes and variables that contribute to its production, will be taught to the students. 2. Understand how man has changed the face of the globe, particularly the biosphere.
SHGEO/604/DSE-4T	Population Geography	<ol style="list-style-type: none"> 1. Students who comprehend the principles of different aspects of population will be able to understand the causes of population problems in various regions of the country. 2. Additionally, they will develop concepts related to population policy and many current population geography challenges.
SHGEO/604/DSE-4T	Geography of Health and Well Being	<ol style="list-style-type: none"> 1. The many health hazards and diseases, as well as their effects on society, will be thoroughly explained to the students. 2. They will build insights on how climate change effects the distribution of diseases and the spread of novel vector-borne diseases around the world.