

Geography Programme and Course Outcome

UG (HONS.)			
	Objective of programme / course outcome	Employability of programme / course	Attainment of programme / course outcome
<p>Programme</p> <p>Bachelor of Science in Geography (Honours)</p>	<p>Geography relates human society with the surrounding environments. Students will have a clear understanding of the various tectonic processes that made our earth, of the regional geographical approaches at the backdrop of India in general and West Bengal in particular, of the interconnection between people and places in different regions, the distribution of economic activities, man-environment interrelations in local and regional perspective.</p>	<p>Geography is a subject that bridges the social and physical sciences. Students studying geography develop transferable knowledge and skills which open up a wide range of career opportunities. Students completed the course can get opportunities in broad range of public and private sector organizations. Some get direct opportunities in jobs such as environment assistant for the environment agency, ranger, government researcher, resource planner and in business development. Significant number of students joins graduate training programmes in major organizations. Students who complete this programme can find employment in different academic institutions like schools and various administrative services.</p>	<p>This programme uses a combination of traditional classroom teaching, ICT classes, project work, computer and GIS software and GPS for various knowledge to attain the desired outcome.</p>
Course	UG Semester I		
SHGEO/101/C-1 Geo-tectonics and Geomorphology	<p>Explaining the Fundamentals of Geotectonics and Geomorphology. Understanding crustal mobility and tectonics; with special emphasis on their role in landform</p>		

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	development. Establishing the relationships between landforms, processes and underlying structure as well as overview and critical appraisal of landform development models.		
SHGEO/102/C-2P Cartographic Techniques	Develop an idea about scale and draw different types of scale like linear, diagonal and vernier. Acquire knowledge of different types of map projection Brings direct interaction of different types of surveying instruments like Dumpy level and Theodolite with environment. Acquaint them with different types of thematic mapping techniques		
UG Semester II			
SHGEO/201/C-3 Human Geography	Students will develop a solid understanding of the concepts of "space," "place" and "region" and their importance in explaining world affairs. They will understand general demographic principles and their patterns at regional and global scales. Students will be able to locate on a map major physical features, cultural regions, and individual states and urban centers. They get an idea about global and regional patterns of cultural, political and economic institutions, and their effects on the preservation, use and exploitation of natural resources and landscapes.		
SHGEO/202/C-4P Cartograms and thematic Mapping	Assist in gaining knowledge about topographical maps and apply this knowledge in ground surface. Familiarise with identification of different types of rock and minerals. Enable students in diagrammatic data presentation like line, bar and circle. Enable students to grasp an idea about different types of thematic mapping techniques.		
UG Semester III			
SHGEO/301/C-5 Climatology	Empowering students to understand the dynamics of the Earth's atmosphere and global climate and also explains approaches to climate classification. It		

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	assess the role of man in global climate change.		
SHGEO/303/C-6 Geography of India	Enable students to have an idea about the location physiography, drainage, climate, and vegetation of India. They also focus on the silent features, problems and prospects of agriculture. In economic sector they emphasize on the problems and prospects of industrial area. The course also gives them ideas about population composition of India.		
SHGEO/302/C-7P Statistical Methods in Geography	Generate interest in fundamental concepts of statistical techniques in geography. Instigate interest in understanding the importance of use of data in geography and different types of sampling. Enable to use tabulation of data and gain knowledge about association and correlation.		
SHGEO/305/SEC-1 Computer basics and applications	Introduce knowledge of computer and enable them to use the knowledge in various segments work .in geography particularly in project		
UG Semester IV			
SHGEO/401/C-8 Regional Planning and Development Regional	Make a student acquainted with definition of region, evolution and types of regional planning. Promote thinking independently to develop an idea about choice of a region for planning and development with the help of various development indicators. Generate interest about theories and models for regional planning.		
SHGEO/402/C-9 Geography of Economic Activities	Understanding the fundamental principles of Economic Geography and assessing the importance of economic activities around the world. Discussing the locational factors for development of industries.		
SHGEO/403/C-10P Environmental Geography	Give an exposure in the arena of environmental geography and different components of environment with special reference to ecosystem. Empower them to reveal man- environment relationships and aware them to different environmental programmes and policies. They became expert to prepare a questionnaire on the basis of perception survey on environmental problems.		

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SHGEO/405/SEC-2 GIS and GPS	Help to reveal the concept and components of Geographical Information System. Help to explore Global Positioning System and GIS Data Structures. Foster inquisitiveness in GIS Data analysis and application of GIS.		
UG Semester V			
SHGEO/501/C-11 Evolution of Geographical Thought	Geographical thought reveals the evolution of geographical ideas from ancient to modern times by establishing relationship of geography with other disciplines and man-environment relationships. It analyse modern and contemporary principles of empiricism, positivism, structuralism, human and behavioural approaches in geography.		
SHGEO/502/C-12P Remote sensing	Enrich students with the concept of remote sensing. Provide students with the scope of gaining an in depth and comprehensive understanding of the satellite remote sensing. Instigate interest in the world of image processing and satellite image interpretation.		
SHGEO/503/DSE-2 Cultural and Settlement Geography	Familiarise students with the cultural region of the world. Acquaint them with rural settlement morphology and urban industrial landscape. Empower them to grasp an idea about urban and rural settlements, and its relationship with environment with special emphasis on different theories related to settlement geography.		
SHGEO/504/DSE-1 Hydrology and Oceanography	Acquainted students with the concepts of Hydrology and Oceanography. They can understand the variations of global hydrological cycle and emphasize the significance of groundwater quality and its circulation. Oceanography reveals the behavior and characteristics of the global oceans.		
UG Semester VI			
SHGEO/601/c-13T Disaster Management	Assist in gaining knowledge about the definition and classification of hazards and disasters. Acquainted students with different approaches to hazard study. Develop an idea about factors, consequences and management of earthquake, landslide, flood and riverbank erosion as well as human induced disaster.		

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<p>SHGEO/602/C-14P Research methodology and Field work</p>	<p>Capacitate to understand the significance of field work in geographical studies. Make aware of the meaning of field and identify several social and economic changes in rural India by and intensive case study. Empower to grasp different types of field techniques and develop an idea about research problems.</p>		
<p>SHGEO/604/DSE-3 Soil and Biogeography</p>	<p>Explains the Pedological and edaphological approaches to soil Studies. Students are acquainted with the processes of soil formation, types of soil, and principles of soil, land classification and management. In biogeography they can get a clear view about ecosystem and biosphere and can realize the importance and role of biogeochemical cycles.</p>		
<p>SHGEO/603/DSE-4 Population Geography</p>	<p>Provide detail knowledge about different aspects of population geography. Develop an idea about the concept of Migration. Helps to identify habitable parts of the world and different global population dynamics Explains the correlation between man and man-made structures on the natural landscape.</p>		