

The Post-graduate course under the affiliation of the University of Calcutta was introduced from session 2014-15. We aim at promoting higher education by encouraging academic excellence and nurturing individual talents. We believe that education at Department of Geography should always be a means and an end, a journey and a destination, a challenge and a provider of solutions. We ensure effective running of the teaching-learning programme with the objective of overall development of intellect and careers of students.

The course system follows University of Calcutta Semester system, medium of instruction is English. Admission norms are as per University notification and are in detail notified in the college website after the publication of Part III Hons. result.

PROGRAMME OUTCOME:

The Post-graduate programme outcome incorporates the following:

Interdisciplinary Teaching: The department has a dynamic and committed faculty. The department regularly invites academicians and experts of the subject and eminent professors of allied subjects from different colleges, universities and other centres of learning for special lectures. Mutual exchange of teaching and knowledge is encouraged and practiced on regular basis. The college is involved into such relation with institutions like departments of Geography and allied departments of the Universities of Calcutta, and Viswabharati, some allied departments of Jadavpur University, Lady Brabourne College, IIM Joka, IISRO etc.

Excellent Job Prospective GIS & Remote Sensing Course privilege: Students develop skills in GIS based analyses and application with an exposure to research and the job market. The department provides specialized guidance in GIS & Remote Sensing along with PG Course. The department is in collaboration with ESRI India, the world's no.1 company in GIS technology. They certify the courses which is extremely popular in the job market. There are prospects of job related campussing and getting jobs even before passing out from the college with a PG degree and GIS training. A knowledge of the softwares is very helpful in further research work and higher studies and help in applying modern research methods.

Teaching- Learning Syllabus with Rejuvenating Existing Infrastructure: The department in this college already have an enriched infrastructure with spacious classrooms and technocentric laboratories, viz. 4 laboratories with smart classroom facilities and 1 ultramodern Geographical Information System (GIS) Laboratory equipped with all necessary geographical equipments, teaching aids like LED Projectors in all rooms, Interactive Teaching Aid, electronic screen, GIS softwares like ArcGIS master labkit, envi, MapInfo, Erdas and Geomedia Professional, etc, Besides there are all surveying instruments, weather station, sound pollution measuring instrument, soil and water pollution measuring kits,

large stock of air photos, satellite imageries, topographical and other maps, Global Positioning Systems etc. The entire college is facilitated by unlimited internet access with active wifi network connectivity.

Ever-expanding Library Resources: There is a large central library and a departmental seminar library with 3000 books including text, reference books, national and international journals along-with those of allied disciplines like Botany, Zoology, Statistics, Economics, Commerce, History, Sociology and Political Science. Online library facilities and institutional subscriptions of Elsevier, Springer Link, British Council Libraries are fast under process. National Mission of Integrated Education entailing linkages with libraries and faculties of national and international educational institutions have been introduced in this college.

Field Work: The College takes ample interest in incorporating field work to exotic areas of the country within the curriculum of Geography (both UG & PG Levels) with an aim to increase relevance of the subjects and rejuvenate interest of students. Participation of all students in such academic excursions is compulsory as per norms.

Departmental Seminar and Workshops: Departmental seminars are to be arranged inviting academicians, scholars and even administrators and technical specialists to deliver enlightening speeches. Seminars shall also involve debates and communication between scholars and students forming an interface that will supplement regular teaching and discover avenues of higher education and research. Academic and technical GIS and Remote Sensing based workshops help in imbibing new techniques and methods of research in Geography.

Publication of research papers: The department intends to publish a yearly journal that will publish dissertation papers and write-ups of academicians to add to our library resource and knowledge base.

- **CAREER OPTIONS AFTER MASTERS IN GEOGRAPHY:**

After a Post-Graduate degree in Geography, a student should choose between academic, technical, administrative and management related professions. With UGC /CSIR NET or SET qualification and / or M.Phil and Ph.D, a student can get into college teaching. With or without B.Ed and SSC, one can be in school teaching. A student with specialised technical training in GIS and Remote Sensing can get jobs in surveying, planning and mapping organisations like NATMO, Survey of India, administrative offices as KMC, KMDA, planning bodies, NGOs, industries, IT Sector. With specialised courses like that in urban management and regional planning, travel and tourism, demographic courses in institutes like Indian Institute of Population Studies etc., a student can get job in planning offices like KMC, KMDA, planning organisations, transportation and

environmental management, international organisations like World Bank, WWF, UNO etc. A student with degrees in such courses and NET/SET qualification can be a scientist or fellow in Depts. of Science and Technology and other research institutes. With qualification in WBCS, IAS, IFS etc a student may enter into government services.

SYLLABUS SPECIFIC OUTCOME

Semester	Module	Type	Subject	Marks	Credits	Outcome
I	101	Th	Philosophy of Geography	50	5	Ability to identify roots of thoughts, sub discipline and approaches and recognise recent development trends
	102	Th	Geomorphology & Geotectonics	50	5	Ability to learn endogenic and exogenic landscape sculpturing process dynamics and apply such knowledge on empirical studies adding value to hazard studies and feasibility assessment of projects
	103	Th	Soil & Biogeography	50	5	Adds a deep knowledge on habitat and life interactions, pedologic environment, plant and animal population ecology, biodiversity and conservation
	104	Th	Economic Geography	50	5	Contemporary trends of economic geography, with emphasis on agriculture, trade, industry and understanding regional contrasts
	105A	Pr	Geospatial Analysis (Visual)	40	5	Teaches methods of river course aspect analysis, image interpretation and application of methods in hazard mapping
	105B	Pr	Term Paper	10	1	Preparing students to write comprehensive paper on a specific topic with own analysis and inputs
II	206	Th	Climatology	50	5	Understanding the dynamics of weather and climate elements, various atmospheric phenomena specially dynamics of tropical weather (Monsoon and weather hazards), nature of climate change and impact.

						Learn to associate the climatology with other environmental and human problems with insights into forecasting techniques
	207	Th	Hydrology & Oceanography	50	5	Recognize the dynamics of hydrosphere and contemporary issues like conservation of water, fresh water, marine water crisis, water issues and linkages with climate change, agriculture and urbanisation
	208	Th	Population & Regional Development	50	5	Identify and understand the changing approaches and nature-causes-effect of population growth, contrasting world situation. Knowledge development on migration, mobility and displacement. Learn to analyse nature of regional development and disparities and integrate global economic order and the local
	209	Th	Social & Cultural Geography	50	5	Learn the changing insights into society, space, social justice, change and planning in India, cultural identity, local and global influences.
	210	Pr	RS, GIS & GNSS (Digital)	50	5	Most contemporary technical knowledge building on RS, GIS, GNSS and application in research and professional field
III	311	Th	Elective Paper – I (Other Discipline)	50	4	Sociology: A deeper knowledge in Sociology
	312	Th	Elective Paper – II (Other Discipline)	50	4	Anthropology: Learning the basics of Anthropology
	313	Th	Optional Special Paper – I*	50	5	Environmental Geography, Regional Planning: Both subjects in this Semester teach the contemporary thoughts and recent trends
	314	Pr	Statistical Techniques (including computer)	50	5	Teach the application of Statistics in geospatial analysis
	315	Pr	Quantitative & Field Techniques	50	5	Teach the application of Quantitative and Field Techniques in research

IV	416	Th	Historical & Political Geography	50	5	Learn conceptual issues and changing dimensions of geography of India in different historical periods. Learn conceptual issues of political geography and contemporary issues
	417	Th	Regional Geography of India	50	5	Identify regional issues, regional disparities, specific analysis of Ganga Delta region
	418	Th	Optional Special Paper – II*	50	5	Environmental Geography, Regional Planning: Both subjects teach contemporary issues in this part and imbibe thoughts to carry forward research
	419	Pr	Optional Special Paper – III*	50	5	Modern methods of applied analysis and research techniques
	420A	Pr	Optional Special Paper – IV*: Dissertation	25	4	Each student is required to survey, manage database, prepare maps using imagery and GIS software and analyse in form of scientific paper
	420B	Pr	Field / Project Report	25	2	Survey and analyse in a field study area in any part of India with a special reference to environmental problems and regional development
I-IV	101-420B	—	22 Modules	1000	100	
III	311/312	Th	Elements of Geography (Elective for Other Disciplines)	50	4	