



গড়গাঁও মহাবিদ্যালয়

GARGAON COLLEGE



Course Distribution
Department of Geography
2023-24



গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE

NAAC accredited with 'B' Grade

**COURSE DISTRIBUTION REPORT
DEPARTMENT OF GEOGRAPHY
SESSION: 2023-24
ODD SEMESTER**

Notice:



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Department of Geography, Gargaon College

Notice

Date: 1.8.2023

This notice outlines the class and unit distribution and course assignments for all faculties of the Geography Department regarding odd Semester (July to December, 2023). A detailed list of courses and Units assigned to each faculty member is attached with this notice.

Dr. Dilip Kumar Deka
Associate Professor & HOD
Dept. of Geography
Gargaon College

Head, Department of Geography



DISTRIBUTION OF COURSES
UG PROGRAMME
HONOURS (FYUGP)
Odd Semester

Odd Semester				
Unit Wise Distribution (July 2023- December 2023)				
HONOURS (FYUGP)				
Semester	Course Title and Code	Unit	Title	Faculty
FYUP 1st	GEOMORPHOLOGY GGRC1	1	Introduction to Geomorphology	Monurama Phukon
		2	Geomorphic Processes (Endogenetic)	Dr. Dilip Kumar Deka
		3	Geomorphic Processes (Exogenetic) and Evolution of Landforms	Rejina Bora
		4	Practical	Dr. Dilip Kumar Deka
FYUP (1st Semester) Minor				
FYUP Minor (1st Semester)	GEOMORPHOLOGY AND OCEANOGRAPHY MINGGR1	1	Introduction to Geomorphology and Oceanography	Monurama Phukon
		2	Geomorphic Processes (Endogenetic and Exogenetic)	Rejina Bora
		3	Salinity, Waves, Tides and Currents	Rejina Bora
		4	Practical	Monurama Phukon
FYUP (1st Semester) Generic Elective				
FYUP (1st Semester) Generic Elective	PHYSICAL GEOGRAPHY GECGGR1A	1	Introduction to Physical Geography	Monurama Phukon
		2	Atmosphere	Dr. Dilip Kumar Deka
		3	Lithosphere and Biosphere	Dr. Dwijen Nath



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			Hydrosphere	Rejina Bora
FYUP (1st Semester) Skill Enhancement Course (SEC)				
FYUP (1st Semester) Skill Enhancement Course (SEC)	DISASTER MANAGEMENT SEC106	1	Disasters	Kamal Das
		2	Disasters in India	Kamal Das
		3	Response and Mitigation to Disasters	Dr. Rituraj Neog
		4	Field Work	Dr. Rituraj Neog
FYUP (1st Semester) Value Added Course (VAC)				
Semester	Course Title and Code	Unit	Title	Faculty
FYUGP(1st Semester) Value Added Course	HEALTH & WELLNESS VAC2	1	INTRODUCTION TO HEALTH & WELLNESS	Dr. Dilip Kumar Deka
		2	MIND – BODY AND WELL-BEING	Dr. Dilip Kumar Deka

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DISTRIBUTION OF COURSES
UG PROGRAMME
CBCS, Odd Semester

Odd Semester					
Unit Wise Distribution (July 2023- December 2023)					
CBCS (MAJOR)					
Semester	Course Title and Code	Unit	Title	Faculty	
3rd	C5: CARTOGRAPHY (THEORY) GGRM 301T4	1	History of development of map projections, classification and use of different types of map projections, Choice of map projection	Dr. Dwijen Nath	
		2	Basic principles of surveying and their necessity in Geography : Vertical and horizontal controls	Dr. Dwijen Nath	
		3	Surveying and leveling: i) Plane table surveying – different methods ii) Prismatic compass surveying – closed and open traverse, calculation of included angles, correction of bearing, omitted measurement iii) Theodolite traversing – measurement of heights iv) Levelling – different types	Dr. Dilip Kumar Deka	
		C5: CARTOGRAPHIC TECHNIQUES (PRACTICAL) GGRM 302P2	1	Projection: Conical One Standard, Bonne's and Polyconic Cylindrical; Equal Area, Equidistant, Galls Stereography and Mercator projection	Dr. Dwijen Nath Dr. Dilip Kumar Deka
		C6: REGIONAL GEOGRAPHY OF WORLD (THEORY) GGRM302T6	1	Physiography, climate, soil and vegetation of Asia, Africa, Europe, North America	Dr. Rituraj Neog
			2	Mineral resources and industrial development of the developed, developing and the underdeveloped countries	Dr. Rituraj Neog
			3	Distribution of population of World	Rejina Bora
			4	Regional studies of Middle East and South East Asia and the Mediterranean region	Manurama Phukon



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	C7: STATISTICAL METHODS IN GEOGRAPHY (THEORY) GGRM 303T6	1	Use of Data in Geography: Geographical Data Matrix, Significance of Statistical Methods in Geography; Sources of Data, Scales of Measurement (Nominal, Ordinal, Interval, Ratio)	Dr. Dilip Kumar Deka
		2	Tabulation and Descriptive Statistics: Frequencies (Deciles, Quartiles), Cross Tabulation, Central Tendency (Mean, Median and Mode, Centro-graphic Techniques, Dispersion (Standard Deviation, Variance and Coefficient of Variation)	Dr. Dilip Kumar Deka
		3	Sampling: Purposive, Random, Systematic and Stratified.	Dr. Dilip Kumar Deka
		4	Theoretical Distribution: Probability and Normal Distribution.	Dr. Rituraj Neog
		5	Association and Correlation: Rank Correlation, Product Moment Correlation, and Simple Regression, Residuals from regression	Dr. Rituraj Neog
5 th	C11: REGIONAL PLANNING AND DEVELOPMENT (THEORY) GGRM 501T4	1	Definition of Region, Evolution and Types of Regional planning: Formal, Functional, and Planning Regions and Regional Planning; Need for Regional Planning; Types of regional Planning	Manurama Phukon
		2	Choice of a Region for Planning: Characteristics of an Ideal Planning Region; Delineation of Planning Region; Regionalization of India for Planning (Agro Ecological Zones)	Manurama Phukon
		3	Theories and Models for Regional Planning: Growth Pole Model of Perroux; Growth Centre Model in Indian Context; Myrdal, Hirschman, Rostow and Friedmann; Village Cluster	Dr. Rituraj Neog
		4	Changing Concept of Development, Concept of underdevelopment; Efficiency-Equity Debate	Dr. Rituraj Neog



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		5	Measuring development: Indicators (Economic, Social and Environmental); Human development.	Dr. Rituraj Neog
C11: REGIONAL PLANNING AND DEVELOPMENT (PRACTICAL) GGRM 501P2		1	Methods of regionalization: a) Simple ranking method b) Mean method c) Z- Score standardization	Dr. Rituraj Neog
		2	Resource disparity map: a) Power resource (Hydel, Thermal, Nuclear) b) Mineral resources (coal, iron ore)	Dr. Rituraj Neog
C12: POPULATION GEOGRAPHY (THEORY) GGRM502T4		1	Defining the Field – Nature and Scope; Sources of Data with special reference to India (Census, Vital Statistics and NSS).	Dr. Dwijen Nath
		2	Population Size, Distribution and Growth – Determinants and Patterns; Theories of Growth – Malthusian Theory and Demographic Transition Theory.	Dr. Dwijen Nath
		3	Population Dynamics: Fertility, Mortality and Migration – Measures, Determinants and Implications.	Dr. Dilip Kumar Deka
		4	Population Composition and Characteristics – Age-Sex Composition; Rural and Urban Composition; Literacy	Dr. Dilip Kumar Deka
		5	Contemporary Issues – Ageing of Population; Declining Sex Ratio; HIV/AIDS.	Dr. Dilip Kumar Deka
C12: POPULATION GEOGRAPHY (PRACTICAL) GGRM 502P2		1	Statistical Data representation Part I a) Near neighbour analysis b) Principle component analysis – Water, Fisher and Nelson c) Traffic flow and isochronic cartograms	Dr. Rituraj Neog
		2	Statistical Data representation Part II a) Location quotient analysis b) Lorenz curve	Dr. Dilip Kumar Deka
		3	Distribution of population a) India, Assam(by simple dot method)	Manurama Phukon



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		4	Density of population a) India and Assam (choropleth method)	Manurama Phukon
	DSE 1 (6 C): SETTLEMENT GEOGRAPHY GGRM DSE501AT6	1	Settlement: Concept, classification, distribution and the changing relationship with the environment.	Rejina Borah
		2	Rural settlement: evolution, site and situational factors and patterns and types.	Rejina Borah
		3	Urban settlement: growth, functional classification of Towns.	Rejina Borah
		4	Hierarchy of settlement.	Rejina Borah
		5	Christaller's and August Losch Theory of Market Center	Rejina Borah
	DSE 2 (6 C): AGRICULTURAL GEOGRAPHY GGRM DSE501B T6	1	Defining the Field: Introduction, nature and scope; Land use/ land cover definition and classification.	Dr. Dilip Kumar Deka
		2	Determinants of Agriculture: Physical, Technological and Institutional	Dr. Dilip Kumar Deka
		3	Agricultural Regions of India: Agroclimatic, Agro-ecological & Crop Combination Regions.	Dr. Dilip Kumar Deka
		4	Agricultural Systems of the World (Whittlesey's classification) and Agricultural Land use model (Von Thuenen, modification and relevance)	Rejina Borah
		5	Agricultural Revolutions in India: Green, White, Blue, Pink.	Monurama Phukon
ELECTIVE GENERIC (GE) (6C) GENERAL STRUCTURE				
3 rd	GE 3: RURAL DEVELOPMENT GGRM GE301BT6	1	Defining Development: Inter-Dependence of Urban and Rural Sectors of the Economy; Need for Rural Development, Gandhian Approach of Rural Development	Monurama Phukon
		2	Rural Economic Base: Panchayatiraj System, Agriculture and Allied Sectors, Seasonality and Need for Expanding NonFarm Activities, Co-opera	Monurama Phukon
		3	Area Based Approach to Rural Development: Drought Prone Area Programmes, PMGSY.	Dr. Dilip Kumar Deka
		4	Target Group Approach to Rural Development: SJSY, MNREGA,	Dr. Dilip Kumar Deka



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			Jan Dhan Yojana and Rural Connectivity.	
		5	Provision of Services – Physical and SocioEconomic Access to Elementary Education and Primary Health Care and Micro credit	Monurama Phukon

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DISTRIBUTION OF COURSES
PG PROGRAMME
CBCS, Odd Semester

Odd Semester					
Unit Wise Distribution (July 2023- December 2023)					
Post- Graduate					
Semester	Course Title and Code	Unit	Title	Faculty	
1st Sem	GEOMORPHOLOGY GG1C1	1	Development of Geomorphic Ideas	Dr. Dilip Kumar Deka	
		2	Fundamental Concepts in Geomorphology	Rejina Borah	
		3	Geomorphic Process	Kamal Das	
		4	Morphometric analysis	Kamal Das	
	CLIMATOLOGY GG1C2	1	Basic concept of weather, climate and atmosphere	Dr. Dilip Kumar Deka	
		2	Basic concepts in heat, atmospheric Temperature & Hydrological Cycle	Rejina Borah	
		3	Atmospheric circulation	Dr. Rituraj Neog	
		4	Atmospheric processes	Monurama Phukon	
	PRACTICALS ON MORPHOMETRIC TECHNIQUES AND THEMATIC MAPPING GG1C3	1	Representation of Relief and Analysis	Dr. Rituraj Neog	
		2	Analysis of Basin Morphometry (based on Horton's and Strahler's	Dr. Rituraj Neog, Dr. Dilip Kumar Deka, Kamal Das, Rejina Borah	
		3	Thematic Mapping and Preparation of Graphs.	Dr. Dwijen Nath, Monurama Phukon	
		4	Mapping Landscapes	Kamal Das	
	DISCIPLINE-SPECIFIC ELECTIVE (DSE) (CORE COURSE)				
	Semester	Course Title and Code	Unit	Title	Faculty
	1st Sem	GEOGRAPHY OF RESOURCES AND ECONOMIC DEVELOPMENT GG1D2	1	Conceptual parameters of Resources	Dr. Dilip Kumar Deka, Dr. Dwijen Nath
			2	Utilization of Resources	Kamal Das



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		3	Geography of Economic Development	Rejina Borah
		4	Geography of Economic Activity.	Dr. Rituraj Neog, Monurama Phukan
ABILITY ENHANCEMENT COMPULSORY COURSE (SEC) (2c)				
Semester	Course Title and Code	Unit	Title	Faculty
1 st Sem	APPLICATION OF RS / UAV IN GEO-SPATIAL ANALYSIS GG1A1	1	FUNDAMENTALS AND APPLICATION OF REMOTE SENSING	Dr. Rituraj Neog, Kamal Das
		2	INTRODUCTION TO UAV AND APPLICATIONS OF UAV	Kamal Das

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**COURSE DISTRIBUTION REPORT
DEPARTMENT OF GEOGRAPHY
SESSION: 2023-24
EVEN SEMESTER**

Notice:



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Department of Geography, Gargaon College

Notice

Date: 1.1.2024

This notice outlines the class and unit distribution and course assignments for all faculties of the Geography Department regarding Even Semester (January to June, 2024). A detailed list of courses and Units assigned to each faculty member is attached with this notice.

Dr. Dilip Kumar Deke
Associate Professor & HOD
Dept. of Geography
Gargaon College

**Head, Department of Geography
Gargaon College**



DISTRIBUTION OF COURSES
UG PROGRAMME
HONOURS (FYUGP), Even Semester

Even Semester				
Unit Wise Distribution (January 2024- June 2024)				
HONOURS (FYUGP)				
Semester	Course Title and Code	Unit	Title	Faculty
FYUP (2nd Semester)	Climatology GGRC2	1	Atmospheric Temperature and Insolation	Dr. Rituraj Neog
		2	Atmospheric pressure and winds	Kamal Das
		3	Atmospheric Moisture, Weather and Climate	Rejina Borah, Susmita Roy Karmakar
		4	Practical	Monurama Phukon, Rejina Borah
FYUGP (2nd Semester) Minor				
FYUP Minor (2nd Semester)	CLIMATOLOGY AND BIOGEOGRAPHY MINGGR2	1	Introduction to Climatology	Dr. Dilip Kumar Deka
		2	Atmospheric Pressure and Winds	Dr. Rituraj Neog, Kamal Das
		3	Introduction to Biogeography	Rejina Borah, Susmita Roy Karmakar
		4	Practical	Monurama Phukon, Rejina Borah
FYUP (2nd Semester) Generic Elective				
FYUP (2nd Semester) Generic Elective	FUNDAMENTALS OF ECONOMIC GEOGRAPHY GECGGR2B	1	Introduction to Economic Geography	Susmita Roy Karmakar
		2	Introduction to Resources	Rejina Borah
		3	Economic Activities	Rejina Borah
		4	Locational Theories	Susmita Roy Karmakar
FYUGP (2nd Semester) Skill Enhancement Course (SEC)				
FYUP (2nd Semester) Skill Enhancement Course	MAP PROJECTION AND CARTOGRAPHIC TECHNIQUES SEC206	1	Introduction to Map Projection	Dr. Dilip Kumar Deka
		2	Construction, Properties, Merits, Demerits	Dr. Dilip Kumar Deka
		3	Preparation of Maps and Graphs	Monurama Phukon



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(SEC)		4	Surveying and Digital Cartography	Dr. Dilip Kumar Deka
FYUGP (2nd Semester) Value Added Course (VAC)				
Semester	Course Title and Code	Unit	Title	Faculty
FYUGP(2nd Semester) Value Added Course	ENVIRONMENTAL SCIENCE VAC3	1	Environmental Science	Kamal Das, Sushmita Roy Karmakar
		2	Environmental Degradation	Kamal Das, Sushmita Roy Karmakar

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DISTRIBUTION OF COURSES
UG PROGRAMME
CBCS, Even Semester

Even Semester				
Unit Wise Distribution (January 2024- June 2024)				
CBCS (MAJOR)				
Semester	Course Title and Code	Unit	Title	Faculty
4TH SEM	C8: ECONOMIC GEOGRAPHY GGRM401T6	1	Introduction: Concept and classification of economic activity	Monurama Phukon
		2	Factors Affecting location of Economic Activity with special reference to Agriculture (Von Thunen theory), Industry (Weber's theory).	Monurama Phukon
		3	Primary Activities: Subsistence and Commercial agriculture, forestry, fishing and mining	Rejina Borah
		4	Secondary Activities: Manufacturing (Cotton Textile, Iron and Steel), Concept of Manufacturing Regions, Special Economic Zones and Technology Parks	Dr. Dilip Kumar Deka
		5	Tertiary Activities: Transport, Trade and Services	Susmita Roy Karmakar
	C9: ENVIRONMENTAL GEOGRAPHY GGRM402T6	1	Environmental Geography – Concept and Scope	Dr. Dilip Kumar Deka
		2	Human-Environment Relationships – Historical Progression, Adaptation in different Biomes.	Rejina Borah
		3	Ecosystem – Concept, Structure and Functions	Susmita Roy Karmakar
		4	Environmental Problems in Tropical, Temperate and Polar Ecosystems	Dr. Dilip Kumar Deka
		5	Environmental Programs and Policies – Global, National and Local levels	Rejina Borah
	C10: REMOTE SENSING AND GIS GGRM403T4	1	Historical Development of remote sensing as a technology-Relevance of remote sensing in Geography	Dr. Rituraj Neog
		2	Concept and basics: Energy source, energy and radiation principles	Dr. Rituraj Neog
		3	Energy interactions in the atmosphere and earth's surface features.	Dr. Rituraj Neog
		4	Remote sensing systems: platforms, sensors and radiations records.	Dr. Rituraj Neog
	C10: REMOTE SENSING AND GIS (PRACTICAL)	1	Remote Sensing and GIS: Definition and Components, Development, Platforms and Types	Kamal Das



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	GGRM403P2	2	Aerial Photography and Satellite Remote Sensing: Principles, Types and Geometry of Aerial Photograph; Principles of Remote Sensing, EMR Interaction with Atmosphere and Earth Surface; Satellites (Landsat and IRS) and Sensors.	Dr. Rituraj Neog
		3	GIS Data Structures: Types (spatial and Nonspatial), Raster and Vector Data Structure	Kamal Das
		4	Image Processing (Digital and Manual) and Data Analysis: Pre-processing (Radiometric and Geometric Correction), Enhancement (Filtering); Classification (Supervised and Unsupervised), Geo-Referencing; Editing and Output; Overlay	Dr. Rituraj Neog / Kamal Das
		5	Interpretation and Application of Remote Sensing and GIS: Land use/ Land Cover, Urban Sprawl Analysis; Forests Monitoring	Kamal Das
		6TH SEM	C13: EVOLUTION OF GEOGRAPHICAL THOUGHT GGRM601T6	1
2	Pre-Modern – Early Origins of Geographical Thinking with reference to the Classical and Medieval Philosophies	Dr. Dilip Kumar Deka		
3	Modern – Evolution of Geographical Thinking and Disciplinary Trends in Germany, France, Britain, United States of America.	Kamal Das		
4	Debates – Environmental Determinism and Possibilism, Systematic and Regional, Ideographic and Nomeothetic.	Rejina Borah		
5	Trends – Quantitative Revolution and its Impact, Behaviouralism, Systems Approach, Radicalism, Feminism; Towards Post Modernism – Changing Concept of Space in Geography, Future of Geography.	Rejina Borah		
	C14: DISASTER MANAGEMENT BASED PROJECT WORK GGRM602T6	1	Unit –I: Disaster Management based Project work (Practical)	Dr. Rituraj Neog
		2	Unit- II : Field Survey	Dr. Rituraj Neog
	C14: : DISASTER MANAGEMENT GGRM602T6	1	Disasters: Definition and Concepts: Hazards, Disasters; Risk and Vulnerability; Classification	Dr. Rituraj Neog



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		2	Disaster in India: Flood, Landslide, Drought, Earthquake and Tsunami, Cyclone: Causes, Impact and Distribution	Dr. Rituraj Neog
		3	Manmade Disasters: Causes, Impact and Distribution	Dr. Rituraj Neog
		4	Response and Mitigation to Disasters: Mitigation and Preparedness, NDMA and NIDM; Indigenous Knowledge and Community-Based Disaster Management; Do's and Don't during and Post Disaster	Dr. Rituraj Neog
ELECTIVE DISCIPLINE SPECIFIC (DSE)				
6th SEM	DSE3: POLITICAL GEOGRAPHY GGRMDSE601BT6	1	Introduction: Concept, Nature and Scope	Sushmita Roy Karmakar
		2	State, Nation and Nation-State- Concept of Nation and State, Attributes of State- frontiers, Boundaries, shape, size, territory and sovereignty, Concept of Nation-State; Geopolitics; Theories (Heartland and Rimland)	Kamal Das
		3	Electoral Geography- Geography of Voting, Geographic Influences on Voting pattern, Geography of Representation, Gerrymandering	Susmita Roy Karmakar
		4	Political Geography of Resource Conflicts- Water Sharing Disputes, Disputes and Conflicts Related to Forest Rights and Minerals	Susmita Roy Karmakar
		5	Politics of Displacement: Issues of relief, compensation and rehabilitation: with reference to Dams and Special Economic Zones	Rejina Borah
	DSE4: SOCIAL GEOGRAPHY GGRM DSE 602BT6	1	Social Geography: Concept, Origin, Nature and Scope.	Monurama Phukon
		2	Peopling Process of India: Technology and Occupational Change; Migration	Rejina Borah
		3	Social Categories: Caste, Class, Religion, Race and Gender and their Spatial distribution	Rejina Borah, Susmita Roy Karmakar
		4	Geographies of Welfare and Well-being: Concept and Components – Healthcare, Housing and Education.	Monurama Phukon
		5	Social Geographies of Inclusion and Exclusion, Slums, Gated Communities, Communal Conflicts and Crime.	Rejina Borah



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ELECTIVE GENERIC (GE) (6C) GENERAL STRUCTURE				
4th SEM	GE4: INDUSTRIAL GEOGRAPHY GGRM GE401AT6	1	Nature and Scope of Industrial Geography	Monurama Phukon
		2	Types, Geographical Characteristics and Location of Industries (Weber's Theory): Small and Medium Industries, Heavy Industries: Coal and Iron based industries, Rural based Industries, Footloose Industry.	Monurama Phukon
		3	Mega Industrial Complexes: National Capital Region, Mumbai-Pune Industrial Region, Bengaluru-Chennai Industrial Region and Chota Nagpur Industrial Region	Susmita Roy Karmakar
		4	Impact of Industrialisation in India: Environmental; Social and Economic	Susmita Roy Karmakar
		5	Industrial Policy of India	Rejina Borah

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DISTRIBUTION OF COURSES
PG PROGRAMME
CBCS, Even Semester

Even Semester				
Unit Wise Distribution (January 2024- June 2024)				
Post- Graduate				
Semester	Course Title and Code	Unit	Title	Faculty
2nd SEM	SOCIAL GEOGRAPHY OF INDIA GG2C1	1	An Introduction to Social Geography	Monurama Phukon
		2	Caste and Tribe in India	Monurama Phukon
		3	Religions In India	Rejina Borah
		4	Language In India	Rejina Borah
	FUNDAMENTALS OF GEOINFORMATICS GG2C2	1	Fundamentals & Physics of Remote Sensing	Dr. Dilip Kumar Deka
		2	Platforms and Sensors	Dr. Rituraj Neog
		3	Digital Image Processing And Information Extraction from Satellite Images	Dr. Rituraj Neog, Kamal Das
		4	Fundamentals of Geographic Information System	Kamal Das
	PRACTICALS ON SURVEYING AND SPATIAL PATTERNS GG2C3	1	Surveying by Dumpy's and Theodololite	Dr. Dilip Kumar Deka
		2	Measures of Spatial pattern	Susmita Roy Karmakar, Rejina Borah
		3	Field survey method.	Rejina Borah
		4	Practical notebook and viva voce	
DISCIPLINE-SPECIFIC ELECTIVE (DSE) (CORE COURSE)				
Semester	Course Title and Code	Unit	Title	Faculty
2nd SEM	FUNDAMENTALS OF REGIONAL PLANNING GG2D1	1	Regional Concept in Geography	Monurama Phukon
		2	Concept of Regional Planning	Monurama Phukon
		3	Methods and Techniques of Regional Planning	Rejina Borah
		4	Regions for Planning	Susmita Roy Karmakar
	FUNDAMENTALS OF FLUVIAL GEOMORPHOLOGY GG2D2	1	Introduction to Fluvial Geomorphology.	Dr. Dilip Kumar Deka
		2	Drainage basin as a fluvial system.	Dr. Dilip Kumar Deka
		3	Channel processes	Kamal Das
		4	Channel patterns	Kamal Das
GENERIC ELECTIVE (GE) (4c)				
Semester	Course Title and Code	Unit	Title	Faculty



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2 nd SEM	CLIMATOLOGY AND OCEANOGRAPHY GG2G2	1	Basic concepts in Climatology & Hydrological Cycle	Susmita Roy Karmakar
		2	Atmospheric Circulation	Susmita Roy Karmakar
		3	Physical and Chemical properties of Sea Water	Susmita Roy Karmakar
		4	Dynamics of the Marine environment	Susmita Roy Karmakar

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