



গড়গাঁও মহাবিদ্যালয়

GARGAON COLLEGE



Course Distribution
Department of Geography
2021-22



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**COURSE DISTRIBUTION REPORT
DEPARTMENT OF GEOGRAPHY
SESSION: 2021-22
ODD SEMESTER**

Notice:



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Department of Geography, Gargaon College

Notice

Date: 2.8.2021

It is a general notice to all faculty members of the Department of Geography, Gargaon College, that a departmental meeting has been convened that outlines the class and unit distribution and course assignments for all faculties of the Department regarding Odd Semester. Courses and units are assigned to the concerned faculty members.

Thank you

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

Head, Department of Geography

Gargaon College



DISTRIBUTION OF COURSES
UG PROGRAMME
CBCS, Odd Semester

Odd Semester				
Unit Wise Distribution (July 2021- December 2022)				
CBCS (MAJOR)				
Semester	Course Title and Code	Unit	Title	Faculty
1st	GGRM 101T4 Geomorphology And Bio Geography	1	Geomorphology: Nature and Scope	Dr. Dilip Kumar Deka
		2	Earth: Interior Structure and Isostasy.	Dr. Dilip Kumar Deka
		3	Earth Movements	Dr. Dilip Kumar Deka
		4	Geomorphic Processes	Dr. Dilip Kumar Deka
		5	Evolution of Landforms	Manurama Phukon
		6	Definition, scope and significance of Bio Geography	Dr. Dwijen Nath
		7	World distribution of plants and its relation to soil, climate and human activities	Dr. Dwijen Nath
		8	World distribution of animals and its relation with vegetation, climate and Human activities	Dr. Dwijen Nath
		9	Soil – soil forming processes, classification and distribution of soil	Dr. Dwijen Nath
1st	GGRM 101P2 Geomorphic Techniques	1	Cartography – Nature and Scope.	Dr. Dilip Kumar Deka
		2	Scales – Concept and application	Dr. Dilip Kumar Deka
		3	Topographical Map	Manurama Phukon
		4	Morphometric Analysis	Dr. Dilip Kumar Deka
		5	Slope Analysis	Dr. Dwijen Nath
1st	GGRM102T4 Climatology	1	Atmospheric Composition and Structure	Dr. Dilip Kumar Deka
		2	Insolation and Temperature	Dr. Dilip Kumar Deka
		3	Atmospheric Pressure and Winds	Dr. Dilip Kumar Deka



		4	Atmospheric Moisture	Dr. Dwijen Nath	
		5	Cyclones	Dr. Dwijen Nath	
1 st	GGRM 102P2 Practical's Based On Climatic Data	1	Study of weather symbols	Manurama Phukon	
		2	Indian daily weather map interpretation for the summer and winter seasons.	Manurama Phukon	
		3	.Representation of climatic data:	Manurama Phukon	
3 rd	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	Dr. Dwijen Nath	



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		4	Regional studies of Middle East and South East Asia and the Mediterranean region	Manurama Phukon
	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
	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	Dr. Rituraj Neog



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			underdevelopment; Efficiency-Equity Debate	
		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	



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		3	Distribution of population a) India, Assam(by simple dot method)	Manurama Phukon
		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.	Dr. Dwijen Nath
		2	Rural settlement: evolution, site and situational factors and patterns and types.	Dr. Dwijen Nath
		3	Urban settlement: growth, functional classification of Towns.	Dr. Dwijen Nath
		4	Hierarchy of settlement.	Dr. Dwijen Nath
		5	Christaller's and August Losch Theory of Market Center	Dr. Dwijen Nath
	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)	Dr. Dwijen Nath
		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



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

Dr. Dilip Kumar Deka
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**COURSE DISTRIBUTION REPORT
DEPARTMENT OF GEOGRAPHY
SESSION: 2021-22
EVEN SEMESTER**

Notice:



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Department of Geography, Gargaon College

Notice

Date: 4.01.2022

It is a general notice to all faculty members of the Department of Geography, Gargaon College, that a departmental meeting has been convened that outlines the class and unit distribution and course assignments for all faculties of the Department regarding Even Semester. Courses and units are assigned to the concerned faculty members.

Thank you

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Associate Professor & HOD
Dept. of Geography
Gargaon College

Head, Department of Geography

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DISTRIBUTION OF COURSES
UG PROGRAMME
CBCS, Even Semester

Even Semester				
Unit Wise Distribution (January 2021- June 2022)				
CBCS (MAJOR)				
Semester	Course Title and Code	Unit	Title	Faculty
2nd Sem	Human Geography GGRM 201T6	1	Introduction: Defining human Geography; Major themes	Monurama Phukon
		2	Space and Society	Monurama Phukon
		3	Population: Population growth and distribution	Monurama Phukon
		4	Settlements	Dr. Rituraj Neog
		5	Population Resource Relationship	Dr. Rituraj Neog
2nd Sem	GGRM 202 T4 Geography of India	1	Physiographic Divisions, Soil, Vegetation, Climate	Dr. Dilip Kumar Deka
		2	Population: Population growth and distribution	Dr. Rituraj Neog
		3	Economic: Power and minerals resource distribution and utilization	Dr. Dwijen Nath
		4	Physical Geography of North East India	Dr. Dilip Kumar Deka
		5	Resource-Agriculture, mineral, forest and industries of Assam	Dr. Dwijen Nath
2nd Sem	GGRM 202 P2Practical on Thematic Cartography	1	Thematic Mapping and Shape Index analysis of India	Monurama Phukon
		2	Thematic Mapping on North East India	Dr. Dwijen Nath
		3	Age-Sex pyramid	Dr. Dilip Kumar Deka
2nd Sem	GGRM GE 201BT6 Regional Development	1	Definition of Region: Types and Need of Regional Planning	Monurama Phukon
		2	Regional imbalance and Problems of Functional Regions	Monurama Phukon
		3	Choice of a Region for Planning	Monurama Phukon
		4	Strategies/ Models for Regional Planning	Dr. Rituraj Neog
		5	Problem regions and Regional Planning	Dr. Dilip Kumar Deka
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	Monurama Phukon



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			reference to Agriculture (Von Thunen theory), Industry (Weber's theory).	
		3	Primary Activities: Subsistence and Commercial agriculture, forestry, fishing and mining	Monurama Phukon
		4	Secondary Activities: Manufacturing (Cotton Textile, Iron and Steel), Concept of Manufacturing Regions, Special Economic Zones and Technology Parks	Dr. Dilip Kumar Dekka
		5	Tertiary Activities: Transport, Trade and Services	Monurama Phukon
C9: ENVIRONMENTAL GEOGRAPHY GGRM402T6		1	Environmental Geography – Concept and Scope	Dr. Dilip Kumar Dekka
		2	Human-Environment Relationships – Historical Progression, Adaptation in different Biomes.	Dr. Dilip Kumar Dekka
		3	Ecosystem – Concept, Structure and Functions	Dr. Dilip Kumar Dekka
		4	Environmental Problems in Tropical, Temperate and Polar Ecosystems	Dr. Dilip Kumar Dekka
		5	Environmental Programs and Policies – Global, National and Local levels	Dr. Dilip Kumar Dekka
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) GGRM403P2		1	Remote Sensing and GIS: Definition and Components, Development, Platforms and Types	Dr. Rituraj Neog
		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	Dr. Rituraj Neog
		4	Image Processing (Digital and Manual) and Data Analysis: Pre-processing (Radiometric and Geometric Correction), Enhancement	Dr. Rituraj Neog



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			(Filtering); Classification (Supervised and Unsupervised), Geo-Referencing; Editing and Output; Overlay		
		5	Interpretation and Application of Remote Sensing and GIS: Land use/ Land Cover, Urban Sprawl Analysis; Forests Monitoring	Dr. Rituraj Neog	
6TH SEM	C13: EVOLUTION OF GEOGRAPHICAL THOUGHT GGRM601T6	1	Paradigms in Geography	Dr. Dilip Kumar Deka	
		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.	Dr. Dilip Kumar Deka	
		4	Debates – Environmental Determinism and Possibilism, Systematic and Regional, Ideographic and Nomeothetic.	Dr. Dwijen Nath	
		5	Trends – Quantitative Revolution and its Impact, Behaviouralism, Systems Approach, Radicalism, Feminism; Towards Post Modernism – Changing Concept of Space in Geography, Future of Geography.	Dr. Dwijen Nath	
	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	
		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)				



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6 th SEM	DSE3: POLITICAL GEOGRAPHY GGRMDSE601BT6	1	Introduction: Concept, Nature and Scope	Dr. Rituraj Neog
		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)	Dr. Rituraj Neog
		3	Electoral Geography- Geography of Voting, Geographic Influences on Voting pattern, Geography of Representation, Gerrymandering	Dr. Rituraj Neog
		4	Political Geography of Resource Conflicts- Water Sharing Disputes, Disputes and Conflicts Related to Forest Rights and Minerals	Dr. Rituraj Neog
		5	Politics of Displacement: Issues of relief, compensation and rehabilitation: with reference to Dams and Special Economic Zones	Dr. Rituraj Neog
	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	Monurama Phukon
		3	Social Categories: Caste, Class, Religion, Race and Gender and their Spatial distribution	Monurama Phukon
		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.	Monurama Phukon
ELECTIVE GENERIC (GE) (6C) GENERAL STRUCTURE				
4 th 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	Dr. Dwijen Nath



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		4	Impact of Industrialisation in India: Environmental; Social and Economic	Dr. Dwijen Nath
		5	Industrial Policy of India	Dr. Dwijen Nath

Dr. Dilip Kumar Deka
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