



গড়গাঁও মহাবিদ্যালয় GARGAON COLLEGE

NAAC accredited with 'B' Grade



Course Distribution
Department of Geography
2020-21



গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE
NAAC accredited with 'B' Grade

Department of Geography, Gargaon College

Notice

Date: 1.9.2020

This notice outlines the class and unit distribution and course assignments for all faculties of the Geography Department regarding odd Semester (July to December, 2020). 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

Gargaon College

Odd Semester
Unit Wise Distribution (July 2020- December 2020)

1st Semester CBCS

Semester	Course Title and Code	Unit	Title	Faculty
1st semester	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	Dr. Rituraj Neog
		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
	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. Rituraj Neog
	GGRM102T4 Climatology		Atmospheric Composition and Structure	Dr. Dilip Kumar Deka
			Insolation and Temperature	Dr. Dilip Kumar Deka
			Atmospheric Pressure and Winds –	Dr. Rituraj Neog
			Atmospheric Moisture	Dr. Rituraj Neog
			Cyclones	Dr. Rituraj Neog
	GGRM 102P2	1	Study of weather symbols	Manurama Phukon

	Practical's Based On Climatic Data	2	Indian daily weather map interpretation for the summer and winter seasons.	Manurama Phukon
		3	.Representation of climatic data:	Manurama Phukon
	GGRM GE 101BT6 Geography of Tourism	1	Scope and Nature: Concepts and Issues,	Manurama Phukon
		2	Type of Tourism	Manurama Phukon
		3	Recent Trends of Tourism: International and Regional; Domestic (India)	Manurama Phukon
		4	Impact of Tourism: Economy; Environment; Society	Dr. Dilip Kumar Deka
		5	Tourism in India	Dr. Dilip Kumar Deka

Odd Semester
Unit Wise Distribution (July 2020- December 2020)

3rd Semester CBCS

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	Manurama Phukon
		4	Regional studies of Middle East and South East Asia and	Manurama Phukon

			the Mediterranean region	
	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
		5th Semester CBCS		
5th	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
		5	Measuring development: Indicators (Economic, Social and Environmental); Human development.	Dr. Rituraj Neog
	C11: REGIONAL PLANNING	1	Methods of regionalization: a) Simple ranking method b) Mean method c) Z- Score standardization	Dr. Rituraj Neog

	AND DEVELOPME NT (PRACTICAL) GGRM 501P2	2	Resource disparity map: a) Power resource (Hydel, Thermal, Nuclear) b) Mineral resources (coal, iron ore)	Manurama Phukon
	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
		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.	
		3	Urban settlement: growth, functional classification of Towns.	Dr. Rituraj Neog
		4	Hierarchy of settlement.	Dr. Rituraj Neog
		5	Christaller's and August Losch Theory of Market Center	Dr. Rituraj Neog
	DSE 2 (6 C): AGRICULTURAL GEOGRAPHY	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	Dr. Dilip Kumar Deka

	GGRM DSE501B T6		Institutional	
		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. Dilip Kumar Deka
		5	Agricultural Revolutions in India: Green, White, Blue, Pink.	Monurama Phukon
ELECTIVE GENERIC (GE) (6C)GENERAL STRUCTURE				
3rd	GE 3: RURAL DEVELOPMEN T 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, 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



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Notice

Date: 1.1.2021

This notice outlines the class and unit distribution and course assignments for all faculties of the Geography Department regarding Even Semester (January to June, 2021). 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

Gargaon College

Even Semester
Unit Wise Distribution (January 2020-June 2020)

HONOURS (FYUGP)

Semester	Course Title and Code	Unit	Title	Faculty
CBCS (2 nd Semester)	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
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
GGRM 202 P2	Practical 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
2 nd Semester Generic Elective (GE)				
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

Even Semester Unit Wise Distribution (January 2020- June 2020)				
CBCS (MAJOR)				
Semester	Course Title and Code	Unit	Title	Faculty
4 TH SEM	C8: ECONOMIC GEOGRAPHY GGRM	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	Monurama Phukon
		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	Dr. Dilip Kumar Deka
	C9: ENVIRONMENTAL GEOGRAPHY GGRM402T6	1	Environmental Geography – Concept and Scope	Dr. Dilip Kumar Deka
		2	Human-Environment Relationships – Historical Progression, Adaptation in different Biomes.	Monurama Phukan
		3	Ecosystem – Concept, Structure and Functions	Dr. Dwijen Nath
		4	Environmental Problems in Tropical, Temperate and Polar	Dr. Dilip Kumar Deka

			Ecosystems	
		5	Environmental Programs and Policies – Global, National and Local levels	Dr. Dwijen Nath
	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. Dilip Kumar Deka
		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 Nons-patial), Raster and Vector Data Structure	Dr. Rituraj Neog
		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
		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	Dr. Dwijen Nath

			States of America.	
		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)			
6th SEM	DSE3: POLITICAL GEOGRAPHY GGRMDSE601BT6	1	Introduction: Concept, Nature and Scope	Dr. Dilip Kumar Deka
		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. Dilip Kumar Deka
		3	Electoral Geography- Geography of Voting, Geographic Influences on Voting pattern, Geography of Representation, Gerrymandering	Dr. Dilip Kumar Deka
		4	Political Geography of Resource Conflicts- Water Sharing Disputes, Disputes and Conflicts Related to Forest Rights	Dr. Dilip Kumar Deka

			and Minerals	
		5	Politics of Displacement: Issues of relief, compensation and rehabilitation: with reference to Dams and Special Economic Zones	Dr. Dilip Kumar Deka
	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.	Dr. Dilip Kumar Deka
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	Dr. Rituraj Neog
		4	Impact of Industrialization in India: Environmental; Social and Economic	Monurama Phukan
		5	Industrial Policy of India	Monurama Phukan

