



গড়গাঁও মহাবিদ্যালয়

GARGAON COLLEGE

NAAC accredited with 'B' Grade



Course Distribution
Department of Geography
2019-20



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GARGAON COLLEGE
NAAC accredited with 'B' Grade

Department of Geography, Gargaon College

Notice

Date: 1.8.2019

This notice outlines the class and unit distribution and course assignments for all faculties of the Geography Department regarding odd Semester (July to December, 2019). 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 2019- December 2019)**

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	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
	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
	GGRM102T4 Climatology		Atmospheric Composition and Structure	Dr. Dilip Kumar Deka
			Insolation and Temperature	Dr. Dilip Kumar Deka
			Atmospheric Pressure and Winds –	Dr. Dilip Kumar Deka
			Atmospheric Moisture	Dr. Dwijen Nath
			Cyclones	Dr. Dwijen Nath

	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

Odd Semester
Unit Wise Distribution (July 2019- December 2019)

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. Dilip Kumar Deka
	2		Mineral resources and industrial development of the developed, developing and the underdeveloped countries	Manurama Phukon	
	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. Dilip Kumar Deka
		5	Association and Correlation: Rank Correlation, Product Moment Correlation, and Simple Regression, Residuals from regression	Dr. Dilip Kumar Deka
5th Semester (Non-CBCS)				
5th	Regional Geography Of India GGRM-501	1	Physical Geography of India	Dr. Dilip Kumar Deka
		2	Mineral and power resources	Manurama Phukon
		3	Physical Geography of NE India	Dr. Dwijen Nath

GGRM-502 PRACTICAL (Map Projections and Cartograms)		Map Projections	Dr. Dilip Kumar Deka
		Representation of data by using different cartograms	Manurama Phukon
GGRM-503 Regional Geography of The World	1	Asia	Manurama Phukon
	2	North America	Manurama Phukon
	3	South America	Manurama Phukon
GGRM-504 Thematic Mapping and hypsometric analysis		Thematic mapping and shape index analysis of India	Dr. Dilip Kumar Deka
		Thematic mapping of NE India	Dr. Dwijen Nath
GGRM-505 Political Geography and Geopolitical Issues		Political Geography	Dr. Dwijen Nath
		Geopolitical issues	Dr. Dilip Kumar Deka

	GGRM-506 Practical (Slope analysis and diagrams)	Slope analysis	Manurama Phukon
		Drawing of block diagram	Dr. Dwijen Nath
	GGRM-507 Regional Planning And Social Geography	Social Geography	Manurama Phukon
		Regional concept and planning	Manurama Phukon
		Regional planning strategy	Dr. Dilip Kumar Deka
	GGRM-508 Practical (Representation of statistical data)	Quantitative methods	Dr. Dilip Kumar Deka
		Flow line and centographic study	Dr. Dilip Kumar Deka



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Notice

Date: 1.1.2020

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

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

HONOURS (FYUGP)

Semester	Course Title and Code	Unit	Title	Faculty
CBCS (2nd 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
2nd 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
4TH 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	GGRM-601 MAP PROJECTIONS AND CARTOGRAPHIC METHODS	1	Map Projections	Dr. Dwijen Nath
		2	Cartographic Methods	Dr. Dilip Kumar Deka
		3	Modern Cartographic Methods	Dr. Rituraj Neog

	GGRM-602 PRACTICAL	1	Survey	Dr. Dilip Kumar Deka
		2	Laboratory work	Dr. Dilip Kumar Deka
	GGRM-603 REGIONAL GEOGRAPHY OF INDIA	1	Agriculture, industries and transport	Monurama Phukan
		2	Socio – cultural structure	Monurama Phukan
		3	Economy of NE India	Dr. Dwijen Nath
6th SEM	GGRM-604 PRACTICAL (Imagery interpretation)	1	Image interpretations	Dr. Rituraj Neog
		2	Satellite image comparisons	Dr. Rituraj Neog

	GGRM-605 REGIONAL GEOGRAPHY OF THE WORLD		Africa	Dr. Rituraj Neog
			Australia and New Zealand	Dr. Rituraj Neog
			Europe	Dr. Rituraj Neog
6th SEM	GGRM-606 PRACTICAL (Pattern Analysis)	1	Statistical Data representation Part I	Dr. Rituraj Neog
		2	Statistical Data representation Part II	Dr. Dilip Kumar Deka
	GGRM-607 Geographic thoughts and Quantitative Methods	1	Geographic Thoughts	Dr. Dwijen Nath
		2	Quantitative methods In Geography	Dr. Dilip Kumar Deka & Dr. Rituraj Neog
	GGRM-608 Practical	1	Hypsometric analysis	Dr. Dilip Kumar Deka
		2	Project report	Dr. Rituraj Neog