

Department of Geography
Curriculum Planning of Mr. Mozammel Rahaman
Session 2022-23

July to December						
Month	Semester	Paper	Unit title	Sub-Topic/s	No. of Classes	Description
August	3rd Sem	C-5	Climatology	Temperate and Tropical cyclones	5	3 Lecture with PPT 2 Previous year paper Solving Session
		C-7	TECHNIQUES OF THEMATIC MAPPING USING	Point Symbol: a comparative study of employment structure of the metropolitan cities of India/ West Bengal represented by Nelson's Dominant and Distinctive Functions	11	4 lectures and 6 hands on practice Session. 1 Question Solving session and Final Sheet signature.
		GE-3	Disasters	Definition and Concepts: Hazards, Disasters;	4	3 Lecture 1 Question Solving Session
	5th Sem	C-12	GIS Data Analysis	Input; Geo-Referencing, Editing, by QGIS Software	8	4 Lecture and hands on practice. 4 Hands on Practice at Computer Lab
		DSE-Group A:3	Map Projections	Basic terminologies, classification; scale factor, choice of map projection; Principle, Properties, limitation, mathematical Construction and drawing of graticule on the following Projections: Zenithal Non-Perspective: Polar Zenithal Equal Area,	4	4 Lecture and hands on practice.
September	1st Sem	C-1	Geomorphic Processes	Weathering, Mass Wasting	5	3 Lecture with PPT 2 Previous year paper solving Session.
		C-2	Scale	Concept, types and application	4	4 Lecture
	3rd Sem	C-7	TECHNIQUES OF THEMATIC MAPPING USING	Line Symbol: Road accessibility represented by Shortest Path Matrix (Shimbel Index)	7	5 Lecture and hands on practice and 2 Final Sheet Signature
		GE-3	Disasters	Definition and Concepts: Risk and Vulnerability; Classification.	2	2 Lecture
		SEC-1	Regional Planning and Development	Concept, Need and Types of regional Planning; Characteristics and Delineation of Planning Region.	3	3 Lecture
	5th Sem	C-12	GIS Data Analysis	Output and Query and Overlays by QGIS Software	4	2 Lecture and hands on practice. 2 Hands on Practice Session.
		DSE-Group A:3	Principles and Method of the following Surveying	Method of Triangulation for Determination of height and distance by Transit Theodolite (same vertical plane).	7	5 Lecture and hands on practice. 2 Hands on Practice Session.

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November	1st Sem	C-1	Geomorphic Processes	Cycle of Erosion (Davis, Penck, King and Hack).	4	3 Lecture and 1 Question Solving Session.
		C-2	Scale	Graphical Construction of Plain, Diagonal and Vernier Scale	5	2 Lecture and hands on practice. 2 Hands on Practice Session and Final Sheet Signature
	3rd Sem	C-7	TECHNIQUES OF THEMATIC MAPPING USING	Area Symbol: Zones of concentration represented by Location Quotient and Z-Score (single criterion and two or three criteria)	8	4 Lecture and hands on practice. 4 Hands on Practice & Final Sheet Signature
		GE-3	Disasters in India	Flood: Causes, Impact, Distribution; b) Landslide: Causes, Impact, Distribution, c) Drought: Causes, Impact, Distribution;	3	2 Lecture & 1 lecture with PPT
		SEC-1	Regional Planning and Development	Regionalization of India for Planning (Agro Ecological Zones).	3	3 Lecture
	5th Sem	C-12	Application of Remote Sensing	Land Use Land Cover by QGIS Software	6	6 Lecture and hands on practice (Computer Lab Room)
		DSE-Group A:3	Choropleth Map	Basic Concept, Classification and Use of Choropleth Map. Calculation and determination of accuracy level of Equal Step and Nested Mean Method of Choropleth Map	10	5 Lecture and hands on practice. 5 Hands on Practice Session.
December	1st Sem	C-2	Scale	Graphical Construction of Plain, Diagonal and Vernier Scale	10	10 Hands on Practice Session
		C-1	Theory	Theory	6	2 Lecture 4 Problem Solving Session
	3rd Sem	C-7	TECHNIQUES OF THEMATIC MAPPING USING	Practical	10	10 Hands on Practice Session
		C-5	Climatology	Climatology	6	4 Lecture 2 Problem Solving Session
	5th Sem	C-12	GIS Data	GIS Data Analysis	10	10 Hands on Practice
		DSE-Group A:3	Map Projections	Cylindrical: a.UTM, Conical- a. Simple conical projection with two standard Parallels, b. Conical Equal Area Projection with one standard Parallel.	10	4 Lecture and 6 hands on practice.

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January to June						
January	2th Sem	C-3	Culture and Society	Social Processes, Social Space, Social Groups, Social Distance, Intra-urban mobility, Social Well-being	8	7 Lecture & 1 Previous year Question paper solving Session.
		DSC-2B	Population	Population Growth and Demographic Transition Theory.	4	3 Lecture with PPT and 1 Previous paper Solving Session.
	4th Sem	C-8	Geographical Thought	1.Pre-Modern: Early Origins of Geographical Thinking with reference to the Classical and Medieval Philosophies	8	6 Lecture 2 Previous year paper Solving Session
	6th	DSE-4	Oceanography	Ocean Floor Topography (Atlantic & Indian) and Oceanic Movements: Currents and Tides (Atlantic and Indian Ocean)	8	4 Lecture with PPT 2 Lecture with Vedio (You Tube) & 2 Previous paper Solving Session.
		DSE-2B1		Hazards, Risk, Vulnerability and Disasters: Definition and Concepts.	3	2 Lecture 1 Problem Solving Session
February	2nd Sem	C-3	Settlements	i. Factors affecting the location of Rural Settlements (1) ii. Types of Rural Settlements (1)	2	2 Lecture with PPT
		C-4	Drawing of Geological sections and Interpretation of Geological Map	i. Geological section drawing and interpretation of Horizontal, Uniclinal, Folded with the presence of igneous intrusions and Unconformities.	8	7 lectures and hands on practice Session 1 Final Sheet signature.
		DSC-2B	Population	World Population Distribution and Composition (Age, Gender and Literacy)	4	3 Lecture 1 Previous year paper Solving Session
	4th Sem	C-8	Geographical Thought	1. Modern: Evolution of Geographical Thinking and Disciplinary Trends in Germany, France, Britain, United States of America	8	6 Lecture 2 Prolem Solving Session
		GE-4	Industrial Geography	Mega Industrial Complexes: National Capital Region, Mumbai-Pune Industrial Region, Chhota Nagpur Industrial Region	5	3 Lecture with PPT 2 Previous year paper Solving Session
	6th Sem	DSE-2B1	Disasters in India	(a) Causes, Impact, Distribution: Flood, Landslide, Drought. 3. Disasters in India: (b) Causes, Impact, Distribution: Earthquake, Tsunami and Cyclone.	10	8 Lecture with PPT 2 Previous year paper Solving Session
March	4th Sem	C-8	Geographical Thought	1. Debates: Environmental Determinism vs. Possibilism, Positivism vs. Humanism, Systematic vs. Regional, Ideographic vs. Nomothetic.	8	6 Lecture 2 Previous year paper Solving Session
		GE-4	Industrial Geography	Industrialisation in India: Environmental; Social and Economic	4	4 Lecture

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April	4th Sem	C-8	Geographical Thought	1. Trends: Quantitative Revolution and its Impact, Systems Approach, Radicalism, Man-environment relationship	3	3 Lecture
	6th Sem	DSC-2D	Environmental Problems and Management	Air Pollution; Biodiversity Loss. 4. Concept of Environmental Impact Assessment (EIA)	5	4 Lecture 1 Previous year paper Solving
May	4th Sem	C-10	Remote Sensing	A. iii Satellite imagery, orbital characteristics of remote sensing satellites, Satellites: LANDSAT, SPOT and IRS, characteristics of sensors: MSS, LISS and OLI, visual interpretation of satellite imageries.	10	2 Lecture 8 Hands on practice Session by Mirror stereoscope
		SEC-2	Geographical Information System (GIS)	Definition and Components. ii. GIS Data Structures: Types (spatial and Non-spatial), Raster and Vector Data Structure	5	5 Lecture with PPT
	6th Sem	DSE-2B1	Response and Mitigation to Disasters	Mitigation and Preparedness.	3	3 Lecture
June	2nd Sem	C-3	Human & Settlement Geography	Human & Settlement Geography	5	5 Lecture
		C-4	Practical	Topographical Map	15	15 Hands on Practice Session
	4th Sem	C-10	Practical	Visual interpretation of satellite imageries	15	15 Hands on Practice Session
	6th Sem	DSE-4	Oceanography	All topics	5	2 Lecture 3 Problem Solving Session

(Mozammel Rahaman)
Signature of the Teacher
Department of Geography