

**Curriculum Planning
Of
Dr. Dipanjana Chakraborty**

Department: Geography

Session: 2022-2023

Month	Sem/ Paper	Unit Title	Sub-Topic/s	No. of Classes	Description
August	3 rd Sem CC-5	Climatology	Atmospheric Pressure and General Circulation of winds.	4	3 Classroom lectures and 1 diagram practice classes on the world distribution of pressure and wind circulation.
August	3 rd Sem CC-6	Soil Geography	i. Factors affecting soil formation ii. Processes of soil formation iii. Development of an idealized soil profile Laterite, Chernozem and Podzol	3	3 Classroom lectures and website visit
August	5 th Sem CC-11	Regional Planning	Definition, Types, Characteristics of Regions	2	2 lectures with PPT
August	5 th Sem CC-12 (Practical)	Geographical Information System	i. Definition, evolution, Components, data of GIS ii. Applications of GIS	3	3 lectures with PPT
September	1 st Sem CC-1 (Theory)	The constitution of Earth's interior	Interior of the earth Theories of the Isostasy Plate Tectonic	3	2 lectures with PPT 1 with interactive sessions on learned chapter
September	1 st Sem CC-2 (Practical)	Map Projection	i. Classification of Projection ii. Properties, Method of construction Uses and Limitations iii. Simple Conical with one Standard Parallel	2	2 lectures and hands-on practice and Final Sheet signature

September	3 rd Sem CC-5	Climatology	Monsoons, Jet streams; El-Nino, La-Nina, ENSO	3	2 Classroom lectures 1 Searching & collecting information from website
September	3 rd Sem CC-7 (Practical)	Interpretation of Indian Daily Weather Report	Pre-monsoon Monsoon	3	2 lectures and 1 hands-on practice. And Final Sheet signature
September	5 th Sem CC-11	Regional Planning	Hierarchy of Planning regions (Macro, Meso, Micro)	1	1 lecture
September	5 th Sem CC-12	Geographical Information System	i. Digital representation of geographical data, ii. database management systems iii. raster and vector models	3	1 lecture with PPT 2 Hands-on Practice and final sheet signature
November	1 st Sem CC-1 (Theory)	The constitution of Earth's interior	Seafloor spreading Continental Drift	3	2 Lectures with PPT 1 diagram practice class on the interior of the earth, different theories of Isostasy, plates etc.
November	1 st Sem CC-2 (Practical)	Map Projection	Construction of i. Polar Zenithal Stereographic ii. Polyconic iii. Bonne's	4	3 lectures and hands-on practice. 1 Final Sheet signature
November	3 rd Sem CC-5	Climatology	Air masses and Fronts	2	2 Classroom lectures with interactive sessions on learned chapter
November	3 rd Sem CC-6	Soil Geography	iv. Physical and Chemical properties of soil v. Genetic Classification of Soil	3	2 Classroom lectures and 1 website visit

November	3 rd Sem CC-7 (Practical)	Interpretation of Indian Daily Weather Report	Post-monsoon case	2	1 lecture and hands-on practice and final sheet signature. 1 Previous Exam. Paper Solving session
November	3 rd Sem SEC-1	The Project Report	Project Report on Flood	5	1 lecture on the structure of report and methodology 2 classes secondary data collection and preparation of questionnaire (pre- field study) 2 Field visits with students
November	5 th Sem CC-12	Global Positioning System (GPS)	i. Principles, uses and applications ii. Point data Collection	4	2 lectures with PPT and 2 Hands- on Practice and final sheet signature
November	5 th Sem DSE- Group A: 1	Urban Geography	i. Nature and scope of Urban Geography ii.Process of Urbanisation iii.Patterns of Urbanisation	2	2 Lectures
December	1 st Sem CC-2 (Practical)	Map Projection	Construction of i.Cylindrical Equal- Area ii.Mercator's Projections.	3	2 lectures and hands on practice. 1 Previous Exam. Paper Solving session and Final Sheet signature
December	3 rd Sem SEC-1	The Project Report	Project Report on Flood	4	Preparation of Project Report (Post field study)
December	3 rd Sem GE1 (H)	Response and Mitigation to Disasters	i. Mitigation and Preparedness, ii.Indigenous Knowledge and Community-Based Disaster Management; iii.Do's and Don'ts	3	2 Lectures 1 interactive class

			During and Post Disasters.		
December	5 th Sem DSE- Group A: 1	Urban Geography	i. Functional classification of towns and cities ii. Theories of Urban Morphology	2	2 Lectures with PPT
December	1 st Sem	-	-		Exam Preparation and exam related especial query session
December	3 rd Sem	-	-		Exam Preparation and exam related especial query session
December	5 th Sem	-	-		Exam Preparation and exam related especial query session
January	2 nd Sem CC-3	Settlements	iii. Christaller's Central Place Theory iv. Functional Classification of Urban Settlements	3	2 Lectures and 1 Q/A session
January	4 th Sem CC-10 (Practical)	Remote Sensing	i. Definition, scope, development and types of remote sensing; Remote sensing platforms	2	2 Lectures with PPT
January	4 th Sem SEC-2	Research methodology		1	1 Lecture
January	6 th Sem CC-13	Political	4. Geo-political importance of India 5. Geographical account of some type regions of India: The Ganga Plain (Upper, Middle and Lower)	6	6 Lectures with PPT
February	2 nd Sem CC-3	Settlements	v. Trends and Patterns of World Urbanization with special reference to India	2	1 Lecture and 1 website visit
February	2 nd Sem CC-4 (Practical)	Geological Map	C. Drawing of Geological sections and Interpretation of Geological Map:	4	2 lectures and 2 hands-on practice

			i. Geological section drawing and interpretation of Horizontal, Uniclinal structure.		and final sheet signature
February	4 th Sem	Remote Sensing	Electromagnetic radiation: characteristics, interaction with matter, Spectral regions and bands	2	2 Lectures with PPT
February	4 th Sem SEC-2	Research methodology	ii. Structure of a Research Report, Reference and Bibliography (APA 6th Edition)	4	2 lectures and 2 hands-on practice
February	6 th Sem CC-13	Political	Geographical account of some type regions of India: Marusthali and Chotonagpur Region	4	6 Lectures
February	6 th Sem DSE3	Regional Planning	Metropolis and Metropolitan Concept: Definition of Metropolis; Structural and Functional Characteristics of Metropolis; Metropolitan Area and Metropolitan Region	4	4 Lectures
March	2 nd Sem CC-4 (Practical)	Geological Map	Folded with the presence of igneous intrusions and Unconformities	3	2 lectures and hands-on practice and final sheet signature. 1 Previous Exam. Paper Solving session
March	2 nd Sem DSC -2	Cultural Geography	1. Definition, Nature and Scope, Major Subfields, Contemporary Relevance. Space and Society: Cultural Regions; Race; Religion and Language	2	2 lectures

March	4 th Sem SEC-2	Research methodology	Definition, Concept, Types & Methods.	4	2 pre-field study 2 field study
March	6 th Sem DSE3	Regional Planning	3. Urban Primacy Rural-Urban Continuum; Some Concepts like: Megacity, Megalopolis, Conurbation, Ecumenopolis		
April	4 th Sem SEC-2	Research methodology	Analysis of data collected	2	2 Classroom engagement
April	6 th Sem DSE-3	Regional Planning	Theories of Economic Growth	4	4 Lectures
May	6 th Sem DSE-3	Regional Planning	6.Rural Development Programmes	1	
June	4 th Sem SEC-2	Research methodology	Preparation of final Research Report	3	2 Classroom engagement 1 final report signature
June	4 th Sem GE-4 (Prog)	Industrial Geography	i. Nature and Scope of Industrial Geography ii.Types, Geographical Characteristics and Location of Industries iii.Types of Industries	4	3 Lectures and 1 Q/A discussion

(Dr. Dipanjana Chakraborty)
Signature of the Teacher
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