(VIEW IN LANDSCAPE MODE)

Preview file of Teaching Plan Academic Session: 2025-26

Department of Geography

Jagannath Barooah College, Jorhat

Name of the Teacher: Joydeep Bhowal
Semester: ODD & EVEN

Class/Semester	Title & Code of The Paper Allotted (Credit)	Method of Teaching	Teaching Material	Unit	Topic	Period/ Hours Required	Details of the Contents	Remarks / Books
Sem III (Odd)	Physical Geography I (Geomorphology + Oceanography) GGRMJ-031	Lecture & Discussion	Textbook, PPT	III	Exogenetic Processes	12	Weathering and mass wasting, cycle of erosion(W. M. Davis and A. Penk , Development of Erosional and Depositional landform): Fluvial, Karst, Aeolian and Glacial	Singh, Savindra, Physical Geography
Sem III (Odd)	Physical Geography I (Geomorphology + Oceanography) GGRMI-031	Lecture & Discussion	Textbook, PPT	III	Exogenetic Processes	12	Weathering and mass wasting, cycle of erosion(W. M. Davis and A. Penk , Development of Erosional and Depositional landform): Fluvial, Karst, Aeolian and Glacial	Singh, Savindra, Physical Geography
Sem III (odd)	Geography of Environment and Management GGRMU-031	Lecture & Discussion	Textbook, PPT	II	Impact of Human Beings on Environment	12	Lithosphere, hudrosphere, and atmosphere Foodchain, tropic level and energy flow Global and local food security issues, food access, food availability and food utilization	To be Updated
Sem III(Odd)	Morphometric Analysis GGRMJ- 033	Lecture & Practical	Textbooks	III & IV	Areal aspects of river basin & Relief morphometry–I	22	Basin Circulatory ratio, basin perimeter, length and area, stream frequency and Drainage density and drainage texture & Area Height Curve, Altimetric Frequency curve, Hypsometric curve, Clinograph	To be updated
Sem V (Odd)	Geography of India GGRMJ-052	Lecture, Sketches & Notes	Textbooks	V	Physical Background of North East INDIA	12	1. Physiographic Divisions of North East India. and Drainage.	Bhattacharyya, N. N.,

							2. Climate,Soil and Natural Vegetation. 3. Natural hazards – Floods, Landslide and Earthquakes	North East India
Sem V (Odd)	Geography of India GGRMI-052	Lecture, Sketches & Notes	Textbooks	V	Physical Background of North East INDIA	12	4. Physiographic Divisions of North East India. and Drainage. 5. Climate,Soil and Natural Vegetation. 6. Natural hazards – Floods, Landslide and Earthquakes	Bhattacharyya, N. N., North East India
Sem IV (Even)	Population Geography GGRMI-041	Lecture, PPT, Discussion	Textbook, Diagrams, Models	III	Population Distribution and Migration	12	1. Patterns and factors of Population Distribution 2. Migration: Types, Trends and Consequences 3. Models in Migration: Ravenstein, Lee's and Gravity and its related models.	Hussain, Majid, Human Geography Chandna, R. C., Geography of Population
Sem IV (Even)	Cartographic Techniques GGRMJ-044	Lecture & Board work	Textbook,	IV	Representation of Climatic Data	12	1. Drawing of temperature and rainfall graph 2. Hythergraph 3. Climograph 4. Water Balance 1.	Singh, R. L., Singh, Rana P. B., Elements of Practical Geography
Sem VI (Even)	Evolution of Geographical Thought GGRMJ-061	Lecture, PPT, Discussion	Textbook, Diagrams, Models	V	Dev. Of other Themes & Trends in Geography	12	Logical Positivism,& Behaviouralism in Geography Radicalism & Humanistic, Applied Geography and Geography in Public aPolicy, Devlopment of Geomatics	To Be Updated
PG I (odd)	Geomorphology PGGRC-101	Lecture, PPT, Discussion	Textbook, Diagrams, Models	II & III	Geomorphic processes under different geo-climatic condition & Exogenetic Processes	24	a) Theories of cyclic development of landforms b) Processes of landform development under aeolian, glacial, coastal, karst and fluvial conditions. c) Introduction to landforms under aeolian, glacial, coastal, karst and fluvial conditions. &	To be Updated

							a) Gradational processes operating on the earth surface, mechanisms of weathering, erosion and mass movement. b) Concepts of multicyclic and polycyclic development of landforms. c) Relationship of climate, biodiversity and soil with landform development.	
PG I (odd)	Morphometric Study and Thematic Mapping PGGRC-103	Lecture, PPT, Discussion	Textbook, Practicals, Diagrams, Models	II	Basin Morphometry	12	1. Drainage ordering, bifurcation ratio, length ratio, basin circulatory ratio calculation of basin area. 2. Measurement of drainage density and drainage frequency, preparation of drainage texture map. 3. Preparation and analysis of altimetric frequency curve and histogram.	To Be Updated
PG III (odd)	Evolution of Geographical Thought PGGRC-301	Lecture, PPT, Discussion	Textbook, Diagrams, Models	III	Geographical thinking during the modern period	12	Development of new branches of Geography in the modern period, contribution of German, French, British and American schools to modern geography.	To be Updated
PG III (odd)	Research Methodology PGGRC-302	Lecture, PPT, Discussion	Textbook, Diagrams, Models	V	Data collection, processing, and Analysis	12	Schedule and Questionnaire design, data collection, data processing and analysis	To be Updated
PG III(odd)	Remote Sensing Techniques PGGRA-301 (AEC)	Lecture, PPT, Discussion	Textbook, Diagrams, Models	I	Fundamentals of RS	12	Concept of Electro-Magnetic Spectrum, remote sensing bands, atmospheric interaction of EMR, concept of spectral signature, types of remote sensing data and their use; data acquisition techniques; relationship between remote sensing and GIS.	To be Updated
PG IV (even)	Remote Sensing and GIS PGGRA-402 (AEC)	Lecture, PPT, Discussion	Textbook, Diagrams, Models	I	Components and Types of Remote Sensing	12	1. Components of remote sensing: target, source of energy, sensor and platforms 15 Marks 2. Types of remote sensing: classification	To Be Updated

							based on platforms, energy source, imaging media, regions of electromagnetic spectrum and number of bands.	