Teaching Plan

Academic Session: 2025-26

Department of Geography

Jagannath Barooah College, Jorhat

Name of the Teacher: Dr. Mrinal Nath
Semester: ODD & EVEN (UG and PG)

Class/Semester	Title & Code of The Paper Allotted (Credit)	Method of Teaching	Teaching Material	Unit	Topic	No, of classes	Details of the Contents	Remarks / Books
UG Sem II (Even) Cr. 4	Human Geography GGRMJ-021 Cr. 4	Lecture, PPT, Discussion	Textbook, White Board	II	Approaches to Human Geog.	14	Determinism, Positivism, Human Ecology, Welfare Approach Positivism, Behaviouralism	Majid Hussain, Adhikari, L.R. Singh and others
UG Sem II (Even) Cr. 4	Map Study (GGRSK-021) Cr. 3	Lecture, PPT, Discussion	Textbook, Diagrams, Models	III	Map Representation	14	Map projection & Classification, Map layout and design, symbols, scales, shading, choropleth and isopleth	R.L.Singh, Monkhouse, R.P. Mishra
UGSem IV (Even) Cr. 4	Population Geography (GGRMJ-041) Cr. 4	Lecture, Discussion	Textbook, White Board	I	Introduction to population Geography	12	Definition, Scope, approaches, distribution, density, composition, data and their sources	B.N. Singh, R.C.Chandna and others
UG Sem IV (Even) Cr. 4	Cartographic Techniques (GGRMJ-044) Cr. 4	Lecture, demonstration	White board, drawing tools	II	Fundamentals of map production	16	Classification, characteristics, properties and uses of different types of projection	R.L Singh, Suren Talukdar,
UG Sem VI (Even) Cr. 4	Evolution of geographical Thought (GGRMJ-601) Cr. 4	Lecture, discussion, PPT	White Board, PPT	I	Paradigms in Origin of geographical thought	14	Egyptian, Sumerian, Indian thinking, Greek, Roman and Chinese contributions, dark	P.E. James, Majid Hussain and others

							age, Arabian thought, explorations.	
UG Sem VI (Even) Cr. 4	Geography of Assam (GGRMJ-062)	Lecture, discussion	White Board, PPT	II	Soils and natural vegetation	14	Soil and distribution, natural vegetation, reserved forests, National Parks , flood and land degradation	Bora and Nath, Bhagabati Bora and Kar
UG Sem VI (Even) Cr. 4	Geography of Assam (GGRMI-062)	Lecture, discussion	White Board, PPT	II	Soils and natural vegetation	14	Soil and distribution, natural vegetation, reserved forests, National Parks , flood and land degradation	Bora and Nath, Bhagabati Bora and Kar
UG Sem VI (Even) Cr. 4	Surveying (Theory) (GGRMJ-064)	Lecture, discussion, demonstration	Textbook, White Board	I	Introduction to Surveying	16	Definition, working principles, geodetic and plane surveying, concept of levelling, vertical and horizontal cintrol	Kulkarni and Kanitkar, B.C. Punmia
UG Sem VI (Even) Cr. 4	Surveying (Theory) (GGRMJ-064)	Lecture, discussion, demonstration	Textbook, White Board	IV	Levelling and height measurement	16	Collimation, Plumb line, Bench mark, reciprocal levelling,	Kulkarni and Kanitkar, B.C. Punmia
UG Sem VI (Even) Cr. 4	Surveying (Practical) (GGRMJ-065)	Lecture, Field work, demonstration	Book, white board, field work	III	Levelling		Profile levelling, contouring	Kulkarni and Kanitkar, B.C. Punmia
UG Sem VI (Even) Cr. 4	Surveying (Practical) (GGRMJ-065)	Lecture, Field work, demonstration	Book, white board, field work	IV	Measuring height using theodolite	12	Theodolite, Vernier scale, accessible case, inaccessible case	Kulkarni and Kanitkar, B.C. Punmia

PG Sem I (Odd) Cr. 4	Geomorphology (PGGRC-101)	Lecture, discussion	Textbook, White Board	I	Fundamental geomorphic concepts	14	Geomorphic concepts, Uniformitarianism, dynamic equilibrium	Thornburry, Monkhouse, P. Dayal
PG Sem I (Odd) Cr. 4	Human Geography (PGGRC-102)	Lecture, discussion	Textbook, discussion	II	Patterns in human geography	14	Spatial, temporal and spatio-temporal pattern and measurement of these patterns, model, spatial diffusion, decision support system	L.R. Singh, Majid Hussain,
PG Sem II (Even) Cr. 4	Climatology, Biogeography and Oceanography (PGGRC-201)	Lecture, discussion	Textbook, discussion	I	Impact of Climate	14	Impact of crops, livestock and economy	Various sources from internet
PG Sem II (Even) Cr. 4	Economic Geography PGGRC202	Lecture, discussion	Textbook, discussion	IV	Education and related brain drain	12	Brain drain, migration, consequence – in situ and ex situ	Various sources from internet
UG Sem I (Odd) Cr. 4	Introduction to planet earth (GGRMJ-011)	Lecture, PPT, discussion	Textbook, globe, laptop, LCD projector	I	Shape and size of the earth	14	Spheroid, sphere, lat & long, equatorial bulging, motions of the earth, impact of motions, seasons	Robinson, Monkhouse, Steers, Sources of internet
UG Sem I (Odd) Cr. 3	Map Study (GGRSK-011)	Lecture, discussion	Textbook, globe, white board	III	Map representation	14	Graticule, projection, map layout, symbol, shading, choropleth, isopleth	Monkhouse, R.L. Singh, R.P Mishra, L.R. Singh
UG Sem III (Odd) Cr. 4	Physical Geography (Part-I)	Lecture, PPT, discussion	Textbook, globe, laptop, LCD projector	II	Endogenetic processes	14	Sial, Sima, Nife, Mantle, Moho, propagation of Seismic waves, isostasy, plate tectonic, fold, fault, geosyncline	Steers, Monkhouse, Thornburry,
UG Sem III (Odd) Cr. 4	Morphometric Analysis (GGRMJ-033)	Lecture, discussion, demonstra	Textbook, white board	V	Relief morphometry Part-II	14	Slope, Contour, Interpolation, relief analysis	R.L. Singh, Monkhouse, R.P. Mishra

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UG Sem III (Odd) Cr. 3	Map Study (GGRSK-011)	Lecture, discussion	Textbook, globe, white board	III	Map representation	14	Graticule, projection, map layout, symbol, shading, choropleth, isopleth	Monkhouse, R.L. Singh, R.P Mishra, L.R. Singh
UG Sem IV (Even) Cr. 4	Population Geography (GGRMJ-041)	Lecture, discussion	Textbook, white board	I	Introduction to population Geography	14	Population distribution, density, composition, approaches to study, data and sources	B.N. Ghosh, R. C. Chandna
UG Sem IV (Even) Cr. 4	Quantitative techniques in Geography (GGRMJ-042)	Lecture, discussion	Textbook, white board	III	Concept of bi-variate analysis	14	Correlation, Rank, Karl Pearson, coefficient of correlation, regression, residual	Aslam Mahmood, S.P. Gupta and others
UG Sem IV (Even) Cr, 4	Cartographic Techniques (GGRMJ-044)	Lecture, discussion	Textbook, white board, Globe	II	Fundamentals of map projection	14	Graticule, reduced globe, plane of projection, perspective & non-perspective perjection, conventional projections, properties and uses of projections	