

Program Outcome / course outcome/ Lession Plan for Geography Subject (Undergraduate Courses)

Program Outcome

- To help pupil to acquire knowledge of their physical and cultural environment and thus to broaden their outlook
- To develop in them an understanding of basic skills, concept, principles and theories relating to geographical phenomena.
- To be able to choose a career path for themselves.
- To emerge as well informed and responsible citizens of this country.

Course Outcome

CORE COURSES

1. PHYSICAL GEOGRAPHY (GEOGP101CC)

2. Understanding Earth's Physical Systems:

- a. Gain knowledge of Earth's landforms, climate, vegetation, soils, and hydrological processes.
- b. Understand the dynamic interactions between these components of the Earth's system.
- c. To understand origin of the earth and our solar system

3. Knowledge of Geomorphology:

- a. Study the processes shaping landforms, including erosion, deposition, and tectonic activity.
- b. To understand different types of landforms and their evolution over time.

4. Climatology and Weather Patterns:

- a. Learn about atmospheric processes, weather systems, and climatic zones.
- b. Understand the causes and impacts of climate change and variability.

5. Hydrology and Water Resources:

- a. Examine the distribution and movement of water on Earth, including ocean water, ocean current, tides and the hydrological cycle.
- b. Assess the role of water in shaping physical geography and sustaining ecosystems.

2 GENERAL CARTOGRAPHY-PRACTICAL (GEOGP102CC)

1. **Fundamentals of Cartography:** Understand the principles, history, definition and significance of cartography in geographic studies.
2. **Map Reading and Interpretation:** Develop skills to interpret various types of maps, including topographic, thematic, and cadastral maps. Gain proficiency in traditional tools
3. **Map Design and Construction:** Learn techniques for designing and constructing accurate and visually effective maps.
4. **Scale and Projection:** Understand map scales, coordinate systems, and projections used for different cartographic purposes.
5. **Symbolization and Visualization:** Master the use of symbols, colours, and patterns for effective data representation.
6. **Practical Skills:** Develop hands-on expertise in creating and interpreting maps for academic, research, and professional purposes.

3. HUMAN GEOGRAPHY (GEOGP201CC)

1. **Conceptual Foundation:** Understand the definition, nature, and subfields of human geography, and its relevance in understanding human-environment relationships.
2. **Population Dynamics:** To study the distribution, density, and growth of the global population and understand the Demographic Transition Theory.
3. **Human Diversity and Cultural Patterns:** Study the classification of human races (Griffith Taylor's classification) and the spatial distribution of major world religions and languages.
4. **Settlement and Urbanization:** Examine types and patterns of rural and urban settlements, and global urbanization trends, including factors influencing urban growth.

4. ENVIRONMENTAL GEOGRAPHY (GEOGP 202CC)

1. **Understanding Environmental Geography:**
 - a. Comprehend the definition, scope, and significance of environmental geography as a bridge between physical and human geography.
 - b. Understand the meaning, components, and functions of the environment and ecosystems, including their interrelationships.
2. **Human-Environment Interactions:**
 - a. Analyze the theories of environmental determinism and possibilism to understand the dynamic relationship between humans and their environment.
3. **Biomes and Regional Focus:**

- a. Study the definition and characteristics of biomes, with a focus on mountain and desert ecosystems.

4. Environmental Management and Policy:

- a. Gain knowledge of environmental management initiatives in India, including the Environmental Protection Act (1982) and the Environmental Policy of India (2006).
- b. Explore the role and significance of grassroots movements like the Chipko Movement in environmental conservation and awareness.
- c. Apply concepts of environmental geography to analyze and address challenges in resource management and sustainable development.

5. Critical Thinking and Policy Analysis:

- a. Develop skills to evaluate environmental policies and initiatives and their effectiveness in tackling environmental issues.

5. REGIONAL PLANNING AND DEVELOPMENT (GEOGP 203SEC)

1. Conceptual Understanding of Regional Planning:

- a. Define and comprehend the concept, need, and types of regional planning, emphasizing its importance in balanced regional development.
- b. Analyze the characteristics of planning regions and methods of delineating them for effective policy-making and implementation.
- c. Understand the concept of regionalization and its application, with a specific focus on the physical and cultural aspects of hill regions, using Himachal Pradesh as a case study.

2. Regional Planning Models:

- a. Gain theoretical insights into models like the Growth Pole Theory and Core-Periphery Model to understand spatial development patterns.
- b. **Case Studies of Regional Development:**
 - i. Examine real-world regional development initiatives such as the Integrated Tribal Development Programme (ITDP) and Damodar Valley Corporation (DVC) to understand their objectives, implementation, and impacts.

3. Critical Analysis and Applications:

- a. Develop the ability to critically assess regional planning models and initiatives and propose strategies for effective regional development.
- b. Learn to incorporate principles of sustainability and inclusivity in planning for equitable regional development.

- c. Apply the concepts of regional planning to address challenges and promote holistic development in diverse geographic and socio-economic contexts.

4. REMOTE SENSING AND GPS (GEOGP 204SEC)

1. Fundamentals of Remote Sensing: Understand the definition, development, platforms, and types of remote sensing technologies.

2. Aerial Photography: Learn the principles, types, and geometry of aerial photography and its applications in spatial analysis.

3. Satellite Remote Sensing:

- a. Comprehend the principles of satellite remote sensing, including electromagnetic radiation (EMR) interaction with the atmosphere and Earth's surface.
- b. Study key satellites and sensors, such as Landsat and IRS, and their applications in environmental and geographical studies.

4. Visual Image Interpretation:

- a. Develop skills to interpret remote sensing images for land use and land cover analysis through theoretical and practical exercises.

5. Global Positioning System (GPS):

- a. Understand the principles of GPS and its practical uses in navigation, mapping, and geospatial analysis.

6. Practical Skills:

- a. Gain hands-on experience in remote sensing and GPS technologies through practical lab sessions and fieldwork.

7. Applications of Remote Sensing:

- a. Apply remote sensing techniques to apprehend environmental, geographical, and socio-economic issues.

8. Critical Thinking and Problem Solving:

- a. Develop the ability to critically evaluate spatial data for informed decision-making in land management and planning.

5. GEOGRAPHIC INFORMATION SYSTEM (GEOGP 301SEC)

1. Fundamentals of GIS: Understand the meaning, scope, components, and history of Geographic Information Systems (GIS).

2. Data Types and Structures:

- a. Learn the types of GIS data, including spatial and non-spatial data, and understand raster and vector data structures.

3. Spatial Referencing and Georeferencing:

- a. Grasp the concepts of spatial referencing systems, georeferencing, and the integration of attribute data with spatial data.
- b. Develop skills in data editing, georeferencing, sub-setting, and attribute data integration for GIS analysis.

4. Land Use/Land Cover Analysis:

- a. Perform GIS-based exercises to extract land use/land cover layers and create thematic maps of selected areas.

5. Practical Applications:

- a. Gain hands-on experience with GIS software for geospatial analysis and mapping tasks.
- b. Learn techniques for visualizing spatial data through thematic maps to communicate geographic patterns effectively.

6. Real-World Applications:

- a. Apply GIS techniques to address spatial planning, resource management, and environmental monitoring challenges.

6. FIELD TECHNIQUES & SURVEY BASED PROJECT REPORT (GEOGP 302SEC)

1. Understanding Field Work in Geography:

- b. Recognize the role, value, and ethics of fieldwork in geographical studies and understand the process of defining the field and identifying case studies in rural, urban, physical, human, or environmental contexts.
- c. Learn the merits, demerits, and criteria for selecting appropriate field techniques, including participant and non-participant observation.

2. Questionnaire Design and Application:

- a. Develop skills in designing and using open, closed, structured, and non-structured questionnaires for data collection.

3. Interview and Group Discussions:

- a. Gain proficiency in conducting interviews and focused group discussions to collect qualitative and quantitative data.

4. Spatial Survey Techniques:

- a. Understand and apply techniques like transects, quadrants, and sketch construction for spatial surveys and mapping.

5. Field Report Design:

- a. Learn to structure a field report, including defining aims and objectives, methodology, data analysis, interpretation, and report writing.

6. Hands-on Field Experience:

- a. Acquire practical experience in preparing questionnaires, collecting field data, and performing spatial analysis.

7. Analysis and Interpretation:

- a. Develop analytical skills to interpret collected data and translate findings into coherent and meaningful reports.

8. Report Writing Skills:

- a. Enhance writing skills to prepare well-organized, methodologically sound, and insightful field reports.

9. Real-World Applications:

- a. Apply fieldwork techniques to address geographic and environmental issues, fostering problem-solving skills and ethical research practices.

7. Discipline Specific Elective Papers (2 Compulsory Papers)

1. GEOGRAPHY OF INDIA (GEOGP 303-1DSE)

2. **Understanding India's Physical Features :** Analyze the major physiographic regions, climate, soil types, and natural resources of India, and their influence on the country's geography and development.
3. **Population and Settlement Patterns:** Study the population distribution, density, growth, and settlement patterns in India, including rural and urban dynamics.
4. **Resource Distribution and Utilization:** Examine the distribution and utilization of key resources in India, including water, minerals, agriculture, and energy, and their impact on the economy.
5. **Regional Disparities and Development:** Understand regional disparities in India's development and the factors influencing them, with a focus on planning, policies, and sustainable development challenges.

2. DISASTER MANAGEMENT (GEOGP 304-1DSE)

1. Introduction to Disaster Management

- Gain a foundational understanding of key concepts: hazards, risks, vulnerability, and disasters.

- Develop a clear perspective on the interrelationship between these factors and their role in disaster management.

2. Analysis of Natural Disasters in India

- Understand the causes, impact, and distribution of natural disasters such as landslides, earthquakes, and cyclones in India.
- Learn about the geographical and environmental factors influencing disaster occurrence and intensity.

3. Insight into Human-Induced Disasters

- Study the causes, impact, and distribution of human-induced disasters like forest fires and road accidents.
- Recognize the role of human activities in exacerbating risks and vulnerabilities.

4. Response, Mitigation, and Community Management

- Explore strategies for disaster mitigation and preparedness, focusing on the roles of NDMA (National Disaster Management Authority) and NIDM (National Institute of Disaster Management).
- Learn about community-based disaster management approaches and essential do's and don'ts during disasters to enhance resilience and reduce risks.

8. Generic Elective (1) and (2)

1. DISASTER RISK REDUCTION (GEOGP 305-GEI)

1. Understanding Key Concepts and Types of Disasters

- Acquire foundational knowledge of hazards, risks, vulnerabilities, and disasters through definitions and concepts.
- Develop insights into the causes, impact, and distribution of natural disasters such as floods, flash floods, earthquakes, and cyclones in India, alongside human-induced disasters and their mapping.

2. Disaster Risk Reduction and Preparedness: Learn effective strategies for disaster risk reduction, mitigation, and preparedness with a focus on the roles and frameworks provided by NDMA (National Disaster Management Authority) and NIDM (National Institute of Disaster Management).

3. Community-Based Disaster Management: Understand the principles of community-based disaster management and follow practical guidelines for do's and don'ts during disasters to foster resilience and minimize loss of life and property.

2. SUSTAINABILITY AND DEVELOPMENT (GEOGP 306-GE2)

1. Understanding Sustainability and Global Development:

- Define sustainability and its components, and understand its significance for global development, environmental conservation, and climate change.

2. Sustainable Development in India and Global Initiatives:

- To take hold in understanding the realization of sustainable development in India through policies and programs, and explore global frameworks such as the Millennium Development Goals (MDGs) and Rio+20.

3. Inclusive Development and Higher Education's Role:

- Understand the concept of inclusive development, its role in sectors like education and health, and the contribution of higher education to sustainability through research and community engagement.

4. Climate Change, Global Cooperation, and Policy:

- Learn about climate change policies, global cooperation mechanisms, and national strategies for sustainable development, including the National Environmental Policy and Financing for Sustainable Development.
- Apply sustainability principles in real-world scenarios and evaluate the effectiveness of national and international policies and programs aimed at achieving sustainable development.

Lesson Plan

CORE COURSES

1. PHYSICAL GEOGRAPHY (GEOGP101CC)

Month	Unit/Topic	Week	Teaching Method	Student Activities
August	Definition and Scope Brief Introduction of Solar System, Origin of The Earth: Tidal Theory of Jeans and Jeffreys and Big Bang Theory Rocks: Classification and Their Characteristics		Classroom lecture, discussion, PPt	Assignment, classroom discussion,
Sept	Internal Structure of Earth, Theory of Plate Tectonics, Weathering- Definition, factors and types Fluvial Cycle of Erosion – Davis		Classroom lecture, discussion, PPt	Assignment, classroom discussion,
October	Structure and composition of atmosphere, Heat Balance, Pressure and wind systems, Origin of		Classroom lecture, discussion, PPt	Assignment, classroom discussion,
Nov	Tropical Cyclones, Monsoon, Climatic Classification (Koppen).		Classroom lecture, discussion, PPt	Assignment, classroom discussion
Dec	Hydrological Cycle, Bottom Relief Features of Pacific Ocean,		Classroom lecture, discussion, PPt	Assignment, classroom discussion
Feb	Tides and Currents. Revision plus left out course due to events / function holiday		Classroom lecture, discussion, PPt	Assignment, classroom discussion

2. GENERAL CARTOGRAPHY-PRACTICAL (GEOGP102CC)

Month	Topic	Week	Teaching Method	Student Activities
August	Cartography as a Science of Communication Basics of Map Reading Map- Definition, Classification and Significance of Map		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
Sept	Definition, Importance and Types of Scale Three exercises in practical record each on Plain, Comparative and Diagonal Scale.		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice

October	Criteria for Choice of Projections; Attributes and Properties of: Zenithal Gnomonic Polar Case, Zenithal Stereographic Polar Case,		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
Nov	Cylindrical Equal Area, Mercator's Projection and Conical Projection with Two Standard Parallel , Line Graph, Bar Diagrams		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
Dec	Isopleth and Choropleth Maps,		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
Feb	Dot method, Climograph and Hythergraph		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice

3. HUMAN GEOGRAPHY (GEOGP201CC)

Month	Topic	Period	Teaching Method	Student Activities
August	Definition, Nature, Major Subfields, Contemporary Relevance of Human Geography		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
Sept	World Population Distribution, density and growth		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
October	Demographic Transition Theory , Human Races: Classification(Griffith Taylor) and world distribution		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice, class test
Nov	Major Religions of the world and distribution Major languages of the world and distribution		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice, class test
Dec	Types and Patterns of Rural Settlements Classification of Urban settlements Trends and Patterns of World Urbanization		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
Feb	Revision			

4. ENVIRONMENTAL GEOGRAPHY (GEOGP 202CC)

Month	Topic	Week	Teaching Method	Student Activities
August	Definition and Scope of Environmental Geography Meaning and Components of Environment Ecosystem – Concept, components and Functions		Classroom lecture, discussion, PPt	Assignment, classroom discussion
Sept	Human-Environment Relationship Environmental Determinism and Possibilism Biomes- Definition, Mountain and Desert Regions		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
October	Environmental Problems: Air and water Pollution, Their Causes, Impacts and Management, Biodiversity Loss		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
Nov	Environmental Management Initiatives in India Environmental Protection Act, 1982,		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
Dec	Environmental Policy of India(2006), Chipko Movement, plus preparation for house examination		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
Feb	Revision		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice

5. REGIONAL PLANNING AND DEVELOPMENT (GEOGP 203SEC)

Month	Topic	Week	Teaching Method	Student Activities
August	Concept, Need and Types of regional Planning Characteristics and Delineation of Planning Region		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
Sept	Regionalization: Concept, Hill Region: Case study of Himachal Pradesh(Physical and Cultural aspects)		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
October	MODELS FOR REGIONAL PLANNING: Growth Pole Theory and Core Periphery Model		Classroom lecture,	Assignment, classroom

			discussion, PPt	discussion, map practice
Nov	Regional Development Initiatives: Case Studies Integrated tribal development programme (ITDP) Damodar Valley Corporation(DVC)		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
Dec	Compulsory classroom presentation and brain storming session		Classroom discussion,	Assignment, classroom discussion, presentation
Feb	Revision		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice

6. REMOTE SENSING AND GPS (GEOGP 204SEC)

Month	Topic	Week	Teaching Method	Student Activities
August	Remote Sensing: Definition, Development, Platforms and Types		Classroom lecture, discussion, PPt	Assignment, classroom discussion
Sept	Aerial Photography: Definitions, Principles, Types and Geometry Plus practical classes		Classroom lecture, discussion, PPt	Assignment, classroom discussion, hands on experience in lab
October	Satellite Remote Sensing: Principles, EMR Interaction with Atmosphere and Earth Surface; Satellites (Landsat and IRS) and Sensors. Plus practical classes		Classroom lecture, discussion, PPt	Assignment, classroom discussion, hands on experience in lab
Nov	Bases of Visual Interpretation of Remote Sensing images: Land use/ Land Cover, Fundamentals of Global Positioning System (GPS) – Principles and Uses. Plus practical classes		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion, hands on experience in lab
Dec	Bases of Visual Interpretation of Remote Sensing images: Land use/ Land Cover hands on experience in lab		Lab work	Assignment, classroom discussion, hands on experience in lab

Feb	Revision		Classroom lecture, discussion, PPt	Assignment, classroom discussion, hands on experience in lab
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7. GEOGRAPHIC INFORMATION SYSTEM (GEOGP 301SEC)

Month	Topic	Week	Teaching Method	Student Activities
August	Introduction Meaning and Scope of GIS, Components of GIS, History of Geographic Information System(GIS)		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
Sept	Data Types GIS Data Structures: Types (spatial and Non-spatial), Raster and Vector Data Structure.		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion, map practice
October	Spatial referencing system Concept of Georeferencing, Editing and attribute data integration		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion, map practice
Nov	GIS based Exercises on Georeferencing, Sub setting		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion, map practice
Dec	GIS based Exercises on Extraction of Land Use/Land Cover layers of any area and thematic mapping		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion, map practice
Feb	Revision of the entire course		Classroom lecture, discussion, PPt, Lab work	Class test, PPT , classroom discussion, map practice

8. FIELD TECHNIQUES & SURVEY BASED PROJECT REPORT (GEOGP 302SEC)

Month	Topic	Week	Teaching Method	Student Activities
August	Introduction Field Work in Geographical Studies – Role, Value and Ethics of Field-Work, Defining the Field and Identifying the Case Study – Rural / Urban / Physical / Human / Environmental.		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion,
Sept	Field Techniques Merits, Demerits and Selection of the Appropriate Technique; Observation (Participant / Non Participant).		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion,
October	Questionnaires (Open/ Closed / Structured / Non-Structured); Interview with Special Focus on Focused Group Discussions; Space Survey (Transects and Quadrants, Constructing a Sketch).		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion,
Nov	Designing the Field Report Aims and Objectives, Methodology, Analysis, Interpretation and Writing the Report.		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion, map designing
Dec	Questionnaires preparation and hands on experience on field, Designing the Field Report Analysis, Interpretation and Writing the Report.		Classroom lecture, discussion, PPt, Lab work, field experience	Assignment, classroom discussion, map designing
Feb	Revision, Report submission/ checking		Classroom lecture, discussion, PPt	Assignment, classroom discussion

8. Discipline Specific Elective Papers (2 Compulsory Papers)

1. GEOGRAPHY OF INDIA (GEOGP 303-1DSE)

Month	Topic	Week	Teaching Method	Student Activities
August	Physical Setting Location, Major physiographic region of India Climate – Factors, Characteristics, Soils of India		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
Sept	Population Size and Growth since 1901, Population Distribution and Density, Literacy, Sex Ratio		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice
October	Settlement System Rural Settlement Types and Patterns, Urban Settlement Types and Pattern.		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice , class test
Nov	Resource Base Power (Coal and hydroelectricity), Minerals (iron ore and bauxite). Economy – Agriculture (Rice, Wheat)		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion, map practice, class test
Dec	Industries(Cotton Textile, Iron-Steel), revision for House examination preparation		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion, map Practice
Feb	Location, Major physiographic region of India, population of India, Resource of India (Revision)		Classroom lecture, discussion, PPt	Assignment, classroom discussion, map practice

Discipline Specific Elective Papers (2 Compulsory Papers)

2. DISASTER MANAGEMENT (GEOGP 304-1DSE)

Month	Topic	Week	Teaching Method	Student Activities
August	Definition and Concepts.: Hazards, Risk, Vulnerability and Disasters		Classroom lecture, discussion, PPt	Assignment, classroom discussion
Sept	Disasters in India: Causes, Impact, Distribution: Landslide, Earthquake, and Cyclone		Classroom lecture, discussion, PPt	Assignment, classroom discussion

October	Human Induced Disasters: Causes, Impact, Distribution: Forest Fire, Road Accidents		Classroom lecture, discussion, PPt	Assignment, classroom discussion, class test
Nov	Response and Mitigation to Disasters: Mitigation and Preparedness,		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion, class test
Dec	NDMA and NIDM Community Based Disaster Management Do's and Don'ts During Disasters plus preparation for house examination		Classroom lecture, discussion, PPt,	Assignment, classroom discussion
Feb	Revision		Classroom lecture, discussion, PPt	Assignment, classroom discussion

9. Generic Elective (1)

1. DISASTER RISK REDUCTION (GEOGP 305-GEI)

Month	Topic	Week	Teaching Method	Student Activities
August	Introduction Hazards, Risk, Vulnerability and Disasters: Definition and Concept.		Classroom lecture, discussion, PPt	Assignment, classroom discussion
Sept	Disasters in India: Causes , Impact and Distribution of Flood and Flash Flood, Earthquake and Cyclone		Classroom lecture, discussion, PPt	Assignment, classroom discussion
October	Human Induced Disasters Causes, Impact, Distribution and Mapping.		Classroom lecture, discussion, PPt	Assignment, classroom discussion, class test
Nov	Disaster Risk Reduction Mitigation and Preparedness		Classroom lecture, discussion, PPt	Assignment, classroom discussion, class test
Dec	NDMA and NIDM Community-Based Disaster Management Do's and Don'ts During Disasters plus preparation for house examination		Classroom lecture, discussion, PPt	Assignment, classroom discussion,

Feb	Revision		Classroom lecture, discussion, PPt	Assignment, classroom discussion
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Generic Elective (2)

2. SUSTAINABILITY AND DEVELOPMENT (GEOGP 306-GE2)

Month	Topic	Week	Teaching Method	Student Activities
August	Introduction Sustainability: Concept, Components		Classroom lecture, discussion, PPt	Assignment, classroom discussion
Sept	The Millennium Development Goals: National Strategies and International Experiences Sustainable Development: Need and its realization in Indian context		Classroom lecture, discussion, PPt	Assignment, classroom discussion
October	Inclusive Development: Education, Health Role of higher education in achieving sustainability Policies and Global Cooperation for Climate Change		Classroom lecture, discussion, PPt	Assignment, classroom discussion, class test
Nov	Sustainable Development Policies and Programmes: Rio+20, Financing for Sustainable Development		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion, class test
Dec	National Environmental Policy plus preparation for house examination		Classroom lecture, discussion, PPt, Lab work	Assignment, classroom discussion
Feb	Revision of the entire course		Classroom lecture, discussion, PPt	Assignment, classroom discussion