Lesson Plan Session-2024-25
B.A Ist Semester DSC (Geography)

July Week 1:

Introduction and Interior of the Earth

- Course overview and expectations
- Structure of the Earth: crust, mantle, core
- Composition and characteristics of each layer

August Week 2:

Geological Time Scale

- Introduction to geological time
- Major eons, eras, periods, and epochs
- Methods of dating geological events

August Week 3:

Rocks and Their Types

- Classification of rocks: igneous, sedimentary, and metamorphic
- Rock cycle
- Characteristics and examples of each rock type

August Week 4:

Theory of Isostasy

- Concept of isostasy
- Historical development and key models
- Examples and implications of isostasy in geology

August Week 5:

Continental Drift

- Alfred Wegener's theory
- Evidence supporting continental drift
- Historical development of the theory

September Week 6:

Plate Tectonics

- Basic principles of plate tectonics
- Types of plate boundaries: divergent, convergent, and transform
- Tectonic activity and landform creation

September Week 7:

Earthquakes

- Causes and types of earthquakes
- Seismic waves and measuring earthquakes
- Effects and case studies of significant earthquakes

September Week 8:

Volcanoes

- Types of volcanoes and volcanic activity
- Distribution of volcanoes
- Volcanic hazards and benefits

September Week 9:

Midterm Review and Exam

- Comprehensive review of Weeks 1-8
- Midterm exam covering all topics studied so far

October Week 10:

Degradational Processes - Weathering

- Physical and chemical weathering
- Factors influencing weathering
- Examples and impacts of weathering

October Week 11:

Degradational Processes - Mass Wasting

- Types of mass wasting (landslides, rockfalls, etc.)
- Causes and effects of mass wasting
- Mitigation and case studies

October Week 12:

Resultant Landforms

- Landforms created by weathering and mass wasting
- Examples of specific landforms (e.g., talus slopes, karst landscapes)
- Geographic distribution and significance

November Week 13:

Weather and Climate - Atmosphere Composition and Structure

- Composition of the atmosphere
- Layers of the atmosphere and their characteristics
- Weather vs. climate: definitions and distinctions

November Week 14:

Surface Configuration of Ocean Floors

- Features of ocean floors: continental shelf, slope, abyssal plains, trenches, ridges
- Methods of studying ocean floor topography
- Examples from different oceans

November Week 15:

Surface Relief of the Pacific, Atlantic, and Indian Oceans

- Specific features of the Pacific Ocean floor
- Specific features of the Atlantic Ocean floor
- Specific features of the Indian Ocean floor

November Week 16:

Circulation of Oceanic Waters - Currents of the Pacific, Atlantic, and Indian Oceans

-Ocean circulation patterns

-Major currents in the Pacific, Atlantic, and Indian Oceans

-Final Review and Revisions

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