

DEPARTMENT OF GEOGRAPHY
PRESIDENCY UNIVERSITY

Detailed Syllabus for GenEd Course being offered by Department of Geography for Third Semester

Paper Name: Natural Hazards and Disaster Management
Course No.: GEOG 0331
Paper Type: Theory
Credit: 04

Unit I: Basic Concepts

Overview of Natural Hazards - definition, hazards & disaster linkages

Concept of vulnerability, mitigation, prevention, preparedness, response and recovery

Unit II: Natural Hazards

Meteorological Hazards - cyclones, droughts: Causes, assessment, effects and control measures

Geological Hazards - Earthquakes and Volcanoes: Causes, effects and control measures

Hydrological Hazards - Floods: Causes, assessment, effects and control measures

Landslides: Causes, assessment, effects and control measures

Unit III: Human induced physical hazards

Soil Erosion: Causes, assessment, effects and control measures

Desertification: Causes, assessment, effects and control measures

Nuclear Hazards: Causes, assessment, effects and control measures

Oil Slicks: Causes, assessment, effects and control measures

Unit IV: Pollution Effects

Air pollution: sources, types, effects on weather and climate, effects, control measures

Water pollution: sources, types, pollution of surface & sub-surface waterbodies, effects, control measures

Solid waste pollution: types and management of solid waste

Soil pollution – causes and control measures

Faculty teaching this Module:

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