

## **GEO801:DISASTER MANAGEMENT**

**Course Outcomes:** Through this course students should be able to

CO1 :: identify vulnerabilities pertaining to different disasters

CO2 :: formulate a disaster management plan

CO3 :: evaluate national and international disaster management strategies and policies

CO4 :: prepare and present a disaster management plan at local and national level

### **Unit I**

**Understanding disaster** : introduction to key concepts of disaster, nature and types of hazards and disasters, effects of hazards, forecasting of disaster risks

### **Unit II**

**Understanding disaster vulnerability and risk** : relationship between disasters, vulnerability and development, factors influencing vulnerability, theories on risk and disasters, catastrophes and social change, migration and disasters, hunger and disasters

### **Unit III**

**Environment and disasters** : environmental degradation and risk, climate change and disasters, livelihood and disasters, impacts of disasters on food production and supply

### **Unit IV**

**Planning for disaster reduction** : frameworks for disaster reduction, community based disaster reduction, local knowledge and disaster reduction, humanitarian Aids and Development

### **Unit V**

**Public health and disasters** : concepts of public health, impact of disasters on public health, health and diseases/epidemics, community based health promotion, disaster preparedness and responses

### **Unit VI**

**Disaster governance and policies** : national disaster management plan, disaster management at the national and global level, key international frameworks for disaster management, actors in disaster governance, nature and role of state in development and disasters

### **Text Books:**

1. DISASTER MANAGEMENT by SHAGUFTA, A.P.H.PUBLISHING CORPORATION

### **References:**

1. DISASTER MANAGEMENT by Sulphey, M. M., PHI LEARNING DELHI
2. DISASTER MANAGEMENT by MRINALINI PANDEY, WILEY
3. DISASTER MANAGEMENT AND PREPAREDNESS by DHAWAN, GAUBA NIDHI , KHAN, SARDAR AMBRINA, CBS PUBLISHERS & DISTRIBUTORS PVT. LTD.
4. DISASTER MANAGEMENT by R SUBRAMANIAN, VIKAS PUBLISHING HOUSE