



Disaster Management (CE 461)

Unit	Details	Hours
I	Introduction - Natural, human induced and human made disasters international decade of disaster reduction.	10
II	Natural Disasters - Hydrometereological based disasters – Tropical cyclones, floods, droughts and desertification – Zones Geographical based disasters – Earth quake, Tsunamis, Landslides and avalanches.	22
III	Human induced hazards – chemical industrial hazards, major power breakdowns, traffic accidents, etc.	10
IV	Use of remote sensing and GISI disaster mitigation and management	8
V	Rich and vulnerability to disaster- mitigation and management options warnings and forecasting	10
TOTAL HOURS		60

Text/Reference Books:

T/R	Authors /Book Title//Publication
T1	Rajib, S and Krishna Murthy, R. R(2012) “ <i>Disaster Management global Challenges and Local Solutions</i> ” Universities Press, Hyderabad.
T2	Navele, P & Raja, C.K(2009), <i>Earth and atmospheric Disasters Management, Natural and Manmade .- B. S. Publications, Hyderabad.</i>

R1	Batacharya,T.(2012), <i>Disaster Science and Management</i> , Tata McGraw Hill Company ,New Delhi.
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Course Objectives:

1	Making students analyze the basics of disaster management, policies so as to help them gain awareness and understand the preventive measures.
2	Gaining knowledge on the remote sensing and GIS disaster mitigation and management
3	Getting awareness on the Government policies of mitigation and management options warnings and forecasting