



SILVER OAK UNIVERSITY

College of Computer Application

Integrated M.Sc (IT)

Subject Name: Disaster Management

Subject code: 1040005196

Semester: SEM-I

Prerequisite: NIL

Objective:

To create awareness about natural and man-made disasters

Teaching and Examination Scheme:

Teaching Scheme			Credits C	Evaluation Scheme				Total Marks
L	T	P		Internal		External		
				Th	Pr	Th	Pr	
2	0	0	2	40	-	60	-	100

Content:

Unit No.	Course Contents	Teaching Hours	Weightage %
I	Introduction to disaster: Concepts & definition (Disaster, hazard, vulnerability and risk); Classification Causes and Impacts (Mental & Physical Health, Social, Economic, Political & Environmental) Understanding differential impacts on people based on caste/class/gender/age location/disability religion etc.	8	30
II	Disaster Management Cycle & Framework: Paradigm shift in disaster management, Pre disaster risk assessment, Prevention and mitigation of disasters, preparedness for disaster evacuation. Disaster Communication: Search and rescue, emergency operation center, application of scientific techniques for disaster management and mitigation	8	30
III	Disaster Management In India: Disaster profile of India- Mega Disasters of India, Lessons learned, Disaster management Act 2005, National policy on disaster management, National Guidelines and plan on disaster management, Role of Govt, (Local/State/National), andNGOs.	6	20

IV	Suggested Case Studies : Bhopal Gas Tragedy, Tusmani in Coastal South India, Avalanche in J & K Land Slides in Uttrakhand Floods in various Indian States Earth Quakes: Gujarat, Jammu & Kashmir, Maharashtra Serial Bomb blasts Terrorists attacks in Mumbai/University in Lahore/ Plane Hijacking Communal Riots and Racist Violence Stampedes at public places.	4	20
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Course Outcome:

To equip students to handle these disasters in systematic and logical manner

Books Recommended:-

1. Author : R K Bhandan, Publisher : CSIR, World Disasters Report, 2009. International Federation of Red Cross and Red Crescent Encyclopedia of disaster management, Vol I, II and III. Disaster management policy and administration,
2. Author: S L Goyal, Deep & Deep , Encyclopedia of Disasters – Environmental Catastrophes and Human Tragedies, Vol. 1 & 2 ,
3. Author: Angus M. Gunn, Publisher: Green wood Press, Disasters in India Studies of grim reality,
4. Author : Anu Kapur & others, Publisher : Rawat Publishers Management of Natural Disasters in developing countries
5. Author : H.N. Srivastava & G.D. Gupta, Publisher : Daya Publishers Natural Disasters,
6. Author : David Alexander, Publisher : Kluwer Academic London, Disaster Management Act 2005, Publisher : Publisher by Govt. of India, Publications of National Disaster Management Authority (NDMA) on Various Templates and Guidelines for Disaster Management High Power Committee Report,
7. Author : J.C. Pant, Disaster Mitigation in Asia & Pacific, Asian Development Bank National Disaster Management Policy, 2009, GoI, Disaster Preparedness Kit, American Red Cross Bryant Edwards (2005): Natural Hazards, Publisher : Cambridge University Press, Disaster Management, Asian Development Bank, Manila

List of Open Source Software/learning website: NPTEL