



Birla Institute of Technology & Science, Pilani
Hyderabad Campus

FIRST SEMESTER 2020-2021

Course Handout Part II

17-08-2020

In addition to part-I (General Handout for all courses appended to the time table) this portion gives further specific details regarding the course.

Course Number : HSS F363
Course Title : Disaster and Development
Instructor : Biswanath Dash

Scope and objective of the course:

The course aims at an understanding of the linkages between development and disaster. The unprecedented nature of the ongoing pandemic has highlighted the importance of this linkage and the necessity to examine it at a deeper level. Other recent disasters such as Cyclone Amphan, 2020; Fani in Odisha 2019, 'Titli, in Andhra Pradesh, 2018, Severe Flood in Kerala, 2018, Chennai, 2015 and Uttarakhand, 2013 etc. have brought to the fore the importance of planning and that of disaster risk mitigation. It is also widely recognized that flawed policies and practices of development engender disaster risk, neutralizing gains accrued over a long period of time. Its impact on business triggers a cascading effect, crippling vital functions in the short term and meaningful rehabilitation and recovery in longer terms. Conversely disasters, while being destructive in nature, also provide opportunities in its aftermath to undertake more sustainable and resilient developmental practices.

Text Book: A set of Papers to be uploaded on CMS

Reference Book

Bankoff, G., Frerks, G. and Hilhorst, H. (2004) (eds) *Mapping Vulnerability: Disasters, Development and People*. Earthscan

Course Plan:

Lecture No.	Learning Objectives	Topics to be covered	Chapter in the Text Book



1-2	Gain an overall perspective of the course	Course Structure Description of evaluation component including course assignment	Course Handout
3-9	Introduction to core concepts and key theoretical framework	Disaster, Vulnerability Risk, and Resilience; Disaster Risk Management (DRM) and Disaster Risk Reduction (DRR) Mitigation and Capacity Development	Ref Papers on CMS
10-15	To examine and reflect on how disasters impact development	Relationship between disaster and development Case of Corona Pandemic Case Studies of Cyclone Fani and Kerala Flood	Reading Material
16-19	To explore gaps in our understanding and limitation of risk analysis	Limitations of damage and loss assessment method Risk assessment tools and their limitations Case Study: Corona in India Hurricane 'Hayian' Philippines	CMS Reference Papers
20-24	To analyze process of Mainstreaming of Disaster Risk Reduction (DRR) into Development	Mainstreaming frameworks; Policies, Plans and Regulations Data and modelling limitation Political and economic consideration: Case studies	CMS Reference papers
25-32	To develop an ability to conduct disaster risk assessment	Multi hazard analysis Vulnerability and Capacity Analysis Risk evaluation, uncertainty and decision making	CMS Reference papers
33-43	To gain skills for Disaster Management Planning	Business Continuity Plan (BCP) Response and recovery planning	CMS Reading material



Evaluation Scheme:

Component	Duration	Weightage (%)	Date & Time	Nature of Component
Test I	30 Minutes	15	September 10 – September 20 (During scheduled class hour)	Open Book
Test II	30 Minutes	15	October 09 – October 20 (During scheduled class hour)	Open Book
Assignment	Take Home	20	1 st Sep-30 th Sep	Open Book
Test III	30 Minutes	15	November 10 – November 20 (During scheduled class hour)	Open Book
CE	120 Minutes	35	TBA	Open Book

Chamber Consultation Hour: Thursday 11-12. A Google link will be shared on CMS for consultation

Notices: Notices, if any, will be displayed on CMS.

Make-up Policy: The make-up for an evaluation component will be given only in genuine cases.

Academic Honesty and Integrity Policy:

Academic honesty and integrity are to be maintained by all the students throughout the semester and no type of academic dishonesty is acceptable.



Biswanath Dash

INSTRUCTOR-IN-CHARGE

