



**Birla Institute of Technology & Science, Pilani**  
Hyderabad Campus

## SECOND SEMESTER 2019-2020

### Course Handout Part II

06-01-2020

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. Recent disasters such as Cyclone 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:**

1. Papers to be uploaded on CMS
2. 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<br>Description of evaluation component | Course Handout           |



|       |   |  |                                      |
|-------|---|--|--------------------------------------|
|       |   | including course assignment  |                                      |
| 3-9   | Introduction to core concepts and key theoretical framework                           | Disaster, Vulnerability Risk, and Resilience;<br>Disaster Risk Management (DRM) and Disaster Risk Reduction (DRR) Mitigation and Capacity Development    | Ref Papers<br><br>TB Chapter 2       |
| 10-15 | To examine and reflect on how disasters impact development                            | Relationship between disaster and development<br>Case Studies of Cyclone Fani and Kerala Flood   | TB Chapter 3<br><br>Reading Material |
| 16-19 | To explore gaps in our understanding and limitation of risk analysis                  | Limitations of damage and loss assessment method<br>Risk assessment tools and their limitations<br>Case Study: Hurricane 'Hayian' Philippines            | Reference Papers                     |
| 20-24 | To analyze process of Mainstreaming of Disaster Risk Reduction (DRR) into Development | Mainstreaming frameworks; Policies, Plans and Regulations<br><br>Data and modelling limitation<br><br>Political and economic consideration: Case studies | TB Chapter 5,6, Reference papers     |
| 25-32 | To develop an ability to conduct disaster risk assessment                             | Multi hazard analysis<br>Vulnerability and Capacity Analysis<br>Risk evaluation, uncertainty and decision making   | Reference papers                     |
| 33-39 | To gain skills for Disaster Management Planning                                       | Business Continuity Plan (BCP)<br>Response and recovery planning   | Reading material                     |

#### Evaluation Scheme:



| Component                 | Duration   | Weightage (%) | Date & Time        | Nature of Component |
|---------------------------|------------|---------------|--------------------|---------------------|
| Mid Semester Exam         | 90 minutes | 30            | 4/3 9.00 - 10.30AM | Closed Book         |
| Assignment 1 & 2          |            | 30            |                    | Open Book           |
| Comprehensive Examination | 3hrs.      | 40            | 06/05 AN           | Closed Book         |

**Chamber Consultation Hour:** Thursday 11-12. Room No. K 118, Department of Humanities and Social Sciences, BITS Pilani, Hyderabad Campus

**Notices:** Notices, if any, will be displayed on Department Notice Board and CMS.

**Make-up Policy:** The make-up for an evaluation component will be given only in genuine cases. In health related issues student has to bring a letter from warden as per the latest SWD guidelines.

**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**

