

curricula, capacity, ICT and stakeholder collaboration to support green & blue infrastructure and nature-based solutions



619050-EPP-1-2020-1-DE-EPPKA2-CBHE-JP

### **New Course**

## **Community Based Disaster Management**

#### Semester -II: January - June

Coordinator	Dr Deep Narayan Pandey	
Credits	4 Credits	
Lecturers	Dr Deep Narayan Pandey	
Level	M.A.	
Host institution	Special Centre for Disaster Research (SCDR), Jawaharlal Nehru	
	University, New Delhi	
Course duration	One Semester [July - December]	

#### Summary

This one full semester elective course provides the Master level students of Disaster Studies the basic understanding the community based disaster management and its importance in present regime of disasters. Iit will introduce students to concepts, tools, methods of community based disaster management, while giving importance to wide range of communities in different geographic location with varied socio-economical settings. The course will touch upon structures and semi-structured frameworks at international, national and sub-national contexts. The course includes individual assignments.

#### **Target Student Audiences**

Semester - II Students of M.A.

### **Prerequisites**

- Nil

#### Aims and Objectives

This course has been designed with a view to help students in developing a comprehensive understanding and knowledge of the concepts underlying community based disaster risk management in the context of the disaster management cycle and beyond. The course work emphasises on the scope of disaster preparedness strategy and associated aspects, thus generating a locally appropriate and locally owned strategy for disaster preparedness and risk reduction. The main objectives of the course are: (i) to help students in understanding importance of community based disaster management; (ii) to comprehend Indian disaster management framework and community based disaster management; and (iii) to visualise role of community in disaster risk reduction and sustainable development.



curricula, capacity, ICT and stakeholder collaboration to support green & blue infrastructure and nature-based solutions



619050-EPP-1-2020-1-DE-EPPKA2-CBHE-JP

#### **General Learning Outcomes**

By the end of the course, students will successfully:

- Understand the importance communities and their role in disaster risk reduction,
- Learn and appreciate importance community based disaster management,
- Identify and visualize the entry points of active participants in a disaster risk reduction and overall disaster management plans

### Overview of Sessions and Teaching Methods

The course will make most of interactive and self-reflective methods of teaching and learning including mainly lectures and presentations. The course will be delivered through interactive approach of discussions and learning from text books, peer-reviewed research papers, and technical reports to understand the art and science of community based disaster management and its mechanism. It will refer to the latest publications for understanding the trend in the given discipline and its applications.

#### Course Workload

The table below summarizes course workload distribution:

		workload (hours)	Self- Study (hours)
		80	08
-	Examination		
. ,			
•			
S			
Disaster Education in India.			
Grass Root Participation and	Mid Semester	08	08
Governance - Role of Municipality &	Examination		
Panchayat for Disaster Management.			
Educational Institution based Disaster			
•			
		08	08
,	Examination		
,			
·			
·			
	Mid Samastar	ΩR	08
, , ,		00	00
	Grass Root Participation and Governance - Role of Municipality & Panchayat for Disaster Management.	Management - Nature and Concept CBDM (Key Terminologies). Components of CBDM and Risk Reduction. Indigenous and Local Knowledge for Disaster Management. Disaster Education in India. Grass Root Participation and Governance - Role of Municipality & Panchayat for Disaster Management. Educational Institution based Disaster Risk management. NGOs and Disaster related activities. Role of Government - CBDD theory and practices Characteristic of Safe and Resilient Community - Characteristics of community resilience (before, during and after disaster). The nature of safe and resilient communities. Indicators of a Resilient Community. Community Level Emergency Management. Community Preparedness, Community Mid Semester	Community Based Disaster Mid Semester Examination  Management - Nature and Concept CBDM (Key Terminologies).  Components of CBDM and Risk Reduction. Indigenous and Local Knowledge for Disaster Management.  Disaster Education in India.  Grass Root Participation and Governance - Role of Municipality & Examination  Panchayat for Disaster Management.  Educational Institution based Disaster Risk management. NGOs and Disaster related activities. Role of Government - CBDD theory and practices  Characteristic of Safe and Resilient Community - Characteristics of community resilience (before, during and after disaster). The nature of safe and resilient communities. Indicators of a Resilient Community. Community Level Emergency Management.  Community Preparedness, Community Mid Semester 08



curricula, capacity, ICT and stakeholder collaboration to support green & blue infrastructure and nature-based solutions



619050-EPP-1-2020-1-DE-EPPKA2-CBHE-JP

	budgeting, Convergence, Gender- sensitive community based disaster management, Inclusion of other disadvantaged groups					
Lectures and Presentations	Building Capacity and Community Resilience - Community Resilience planning and tools. Disaster Literacy of Society. Community Resilience - Rural and Urban Area. Media, Community and Disaster Management.	End Semester Examination	08	08		
Lectures and Presentations	Community Participation and Awareness - Community Level Emergency Management. Importance of Community Participation in Disaster Preparedness. Case Study from Coastal India and Coastal Boarders. Case Study from Himalayan Region and Terrestrial boarders	End Semester Examination	08	08		
Independent work						
Individual Assignments	Field Trips and interaction with communities and documenting selected case studies	Individual Presentations	08	08		
Total			56	56		

### Grading

The students' performance will be based on the following:

- Quizzes/Surprise Test 10%
- Mid Semester Examination 30%
- End Semester Examination 50%
- Individual Assignments 10%

Grade	<b>Grade Point</b>	FGPA	Class/Division
A+	9	8.5 and above	High First Class
Α	8	7.5 and above but less than 8.5	Middle First Class
A-	7	6.5 and above but less than 7.5	Lower First Class
B+	6	5.5 and above but less than 6.5	High Second Class
В	5	4.5 and above but less than 5.5	Middle Second Class
B-	4	3.5 and above but less than 4.5	Lower Second Class
C+	3		
С	2		
C-	1		
F	0		



curricula, capacity, ICT and stakeholder collaboration to support green & blue infrastructure and nature-based solutions



619050-EPP-1-2020-1-DE-EPPKA2-CBHE-JP

Course Schedule: Semester-II: January - June

### **Course Assignments**

The Structure of Individual Assignments will be as follows:

- Reporting field work and community interactions.
- Review of research articles and working paper with given objectives.

#### Literature

- Adenrele Awotona (2017) Planning for Community-based Disaster Resilience Worldwide -Learning from Case Studies in Six Continents, Routledge, 490 Pages.
- Ayers J, Huq S (2009) Community based adaptation to climate change: an update. IIED, London
- Chen, LC., Liu, YC. & Chan, KC. Integrated Community-Based Disaster Management Program in Taiwan: A Case Study of Shang-An Village. Nat Hazards 37, 209 (2006). https://doi.org/10.1007/s11069-005-4669-5
- Chowdhury Emdadul Haque, and David Etkin (2012) Disaster Risk and Vulnerability Mitigation Through Mobilizing Communities and Partnerships, McGill-Queen's University Press: Montreal, 320 pages.
- de Silva, A., Haigh, R., Amaratunga, D. (2021). A Systematic Literature Review of Community-Based Knowledge in Disaster Risk Reduction. In: Amaratunga, D., Haigh, R., Dias, N. (eds) Multi-Hazard Early Warning and Disaster Risks. Springer, Cham. https://doi.org/10.1007/978-3-030-73003-1
- Gero, A., Méheux, K., & Dominey-Howes, D. (2011). Integrating community based disaster risk reduction and climate change adaptation: Examples from the Pacific.
- Habiba U, Shaw R (2012) Bangladesh experiences of community based disaster risk reduction. In: Shaw R (ed) Community, environment and disaster risk management, vol 10. Emerald Group Publishing Limited, Bingley, pp 91–111
- Habiba, U., Shaw, R., Abedin, M.A. (2013). Community-Based Disaster Risk Reduction Approaches in Bangladesh. In: Shaw, R., Mallick, F., Islam, A. (eds) Disaster Risk Reduction Approaches in Bangladesh. Disaster Risk Reduction. Springer, Tokyo. https://doi.org/10.1007/978-4-431-54252-0 12
- Kapiarsa, A., & Sariffuddin, S. (2018). Local knowledge: Empirical fact to develop community based disaster risk management concept for community resilience at Mangkang Kulon Village, Semarang City. Paper presented at the IOP conference series: Earth and Environmental Science.
- Katsuya Yamori (2020) Disaster Risk Communication A Challenge from a Social Psychological Perspective, Springer Singapore.
- Raj Gautam Dhruba and Sudarshan C. Khanal (2009) Community Based Disaster Risk Reduction: Contribution To Hyogo Framework Of Action, Mercy Corps:Lailtpur, Nepal.
- Rovshan Abbasov (2017) Community-Based Disaster Risk Management in Azerbaijan Springer International Publishing: Davis.



curricula, capacity, ICT and stakeholder collaboration to support green & blue infrastructure and nature-based solutions



619050-EPP-1-2020-1-DE-EPPKA2-CBHE-JP

- Sakurai, A., Ito, T. (2022). Community-Based Disaster Risk Reduction Education in Japan. In: Ito, T., Tamura, M., Kotera, A., Ishikawa-Ishiwata, Y. (eds) Interlocal Adaptations to Climate Change in East and Southeast Asia. SpringerBriefs in Climate Studies. Springer, Cham. https://doi.org/10.1007/978-3-030-81207-2
- Shaw R, (2012) Community Based Disaster Risk Reduction, Emerald Group Publishing Limited:Bingley.
- Shaw R, (2014) Community Practices for Disaster Risk Reduction in Japan, Springer Japan.
- Shaw R, (2016) Community Based Disaster Risk Reduction, https://doi.org/10.1093/acrefore/9780199389407.013.47
- Shaw R, Okazaki K (2003) Sustainability in grass-roots initiatives: focus on community based disaster management. UNCRD Publication, Kobe (99 pp)
- Shaw R, Okazaki K (2004) Sustainable community based disaster management practices in Asia: A user's guide. Kobe: UNCRD
- Van Niekerk, D., Nemakonde, L.D., Kruger, L., Forbes-Genade, K. (2018). Community-Based Disaster Risk Management. In: Rodríguez, H., Donner, W., Trainor, J. (eds) Handbook of Disaster Research. Handbooks of Sociology and Social Research. Springer, Cham. https://doi.org/10.1007/978-3-319-63254-4\_20
- Zhang, X., Yi, L. & Zhao, D. Community-based disaster management: a review of progress in China. Nat Hazards 65, 2215–2239 (2013). https://doi.org/10.1007/s11069-012-0471