

Master of Science Program in Disaster Management

Research Focus

- GIS and Remote Sensing Application for Disaster Management
- Early Warning System
- Community-based Disaster Risk Reduction
- Climate Change Adaptation
- Hazard Mapping
- Disaster Resilience

Structure of the Program

1. Credit Requirements *

Requirements	Option 1.2
Coursework	24
- Core Courses	9
- Electives	15
Required Non-credit Courses	5
Thesis	12
Total	36

* - Minimum credits required

- Specific course numbers will be assigned at the first registration.

2. Core Courses

Requirements	Option 1.2	
	Course No.	Cr.
Introduction and Disaster Management Theories	30****	3
Disaster Preparedness, Response and Recovery	30****	3
GIS and Remote Sensing in Disaster Management	30****	3
Total	3	9

3. Electives

Requirements	Option 1.2	
	Course No.	Cr.
Meteorological (Climatologically) Hazards	30****	3
Landslides and Seismic Hazards	30****	3
Hydrological Hazards	30****	3
Industrial Hazards	30****	3
Fire Hazards	30****	3
Hazards Forecasting and Early Warning Systems	30****	3
Urban and Rural Planning and Hazards Mapping	30****	3
Disaster Management in Urban Environment Planning	30****	3
Executive Leadership and Ministration Skills	30****	3
Community-Based Disaster Risk Reduction	30****	3
Earthquake Vulnerability Reduction	30****	3
Climate Change Adaptation and Mitigation	30****	3
Climate Change and Climate Risk Management in Changing Urban Environment	30****	3
Disaster Law	30****	3
Disaster Management in ASEAN Context	30****	3
Role of Media in Disaster Management	30****	3
Disaster Analysis and Prevention	310514	3
Disaster Health Management	30****	3
Nutrition in Emergencies	30****	3
Public Health in Complex Emergency	30****	3
Public Health and Biological Hazards	30****	3
Environment and Energy	30****	3
Biotechnology for Energy and Environment	30****	3
Industrial Safety and Environment Management	30****	3
Environmental Law and Organization Management	30****	3
Total	≥5	≥15

**** To be assigned later

4. Required Non-credit Courses

Requirements	Option 1.2	
	Course No.	Cr.
Research Methodology in Science and Technology	30****	3
Seminar 1	30****	1
Seminar 2	30****	1
Total	3	5

5. Thesis Credit Requirements

Requirements	Option 1.2	
	Course No.	Cr.
Thesis 1, Option 1.2	30****	3
Thesis 2, Option 1.2	30****	3
Thesis 3, Option 1.2	30****	6
Total	3	12