



MASTER OF SCIENCE IN GEOMATIC FOR DISASTER RISK REDUCTION COURSEWORK

I ♥ Humanities

PROGRAM INFORMATION

1

MSc GeoDRR aims to produce graduates who are knowledgeable, competitive, principled and skilled in the theory and practice of Geomatics/Geospatial in dealing with an organization's disaster risk reduction needs

2

Students interested in following this programme can choose whether to register full-time or part-time mode

Courses offered are :

- Natural Hazards and Risk
- Fundamentals of GIS and Remote Sensing
- Geodatabase and Web GIS
- Research Methodology
- Disaster Risk Reduction: Prevention, Impact Mitigation and Preparedness
- Geo-Information Imagery for Disaster Relief and Recovery
- Geo-Information for risk and vulnerability assessment
- Geo-Information Science Applications
- Extraction and Analysis of Geospatial Data
- Natural Hazards, Exposure and Risk Mapping
- Geo-spatial analysis of multi-hazard risk
- Natural Hazard Modelling
- Building resilient communities based on geo-information: case study
- Research Project

4

Students who enrol on this Master's Degree program will have in-depth knowledge of subjects related to disaster risk reduction. Students should be able to achieve the following learning outcomes at the end of the program. This program is offered to prepare graduates who are able to use scientific knowledge and analytical skills to make decisions in solving problems related to the field of disaster risk reduction. Graduates of this program will be able to assume management responsibilities in carrying out technical assignments

5

Duration of study: 1.5 years (Minimum) to 3 years (Maximum)



LEARNING METHODS

- Teaching and learning in a hybrid
- Teaching medium in Malay and English
- Classes held after office hours and weekends



ADMISSION REQUIREMENTS

- Bachelor's degree in related area
- CGPA of at least 3.00 / 4.00; or
- CGPA between 2.50 - 2.99 with the following additional conditions: or
 - a) Research experience for at least one year; or
 - b) Work experience in related field for at least one year; or
 - c) At least one (1) academic publication in the relevant field; or
 - d) Grade B for major/elective courses; or
 - e) Grade B+ for final year project



INQUIRIES

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APPLY NOW !!!



<https://admission.usm.my/postgraduate>