



# FOR GEOSPATIALISTS

# MSC GEOMATICS FOR

# DISASTER RISK REDUCTION (GEODRR)

## About The Program



### Description

The GeoDRR project is funded by the Erasmus+ Programme of the European Commission, aiming to develop and deliver high quality and specialisation academic programmes equivalent to the Master program level in Europe that can suitably prepare young scientists and professionals to provide applicable solutions to various societal problems, focusing on these resulting from climate change, mainly disaster risk vulnerability and susceptibility.



### Structure

- 1.5 Years Program
- Coursework Mode
- 54 Credits / 90 ECTS
- 7 Core, 3 Electives and 1 Project



### Tuition Fee

- Local Students: RM 27,000
- International Students: USD 9,450

## Entry Requirement

- A recognized Bachelor Degree in Geography, GIS or any related field with a minimum of CGPA 2.75; OR
- For CGPA of 2.50 – 2.74, a degree as stated above is required, with an additional minimum one year research experience/one year working experience/one academic publication in related field/Grade B for major/elective courses/Grade B+ for final year project, OR
- For CGPA of 2.00 – 2.49, a degree as stated above is required, with an additional minimum five years research experience/five year working experience AND one academic publication in related field/ Grade B for major/elective courses/Grade B+ for final year project, OR
- Other equivalent qualification such as Accreditation of Prior Experiential Learning (APEL).

## Course

### Pre-requisite Course (for International Students)

- Malaysian Culture and Malay Language

### Core Courses (Compulsory)

- HGT515/3 Natural Hazards and Risk
- HGT516/3 Fundamentals of GIS and Remote Sensing
- HGT517/3 Geodatabase and Web GIS
- HGT518/3 Research Methodology
- HGT519/3 Disaster Risk Reduction: Prevention, Impact Mitigation and Preparedness
- HGT520/3 Geo-Information Imagery for Disaster Relief and Recovery
- HGT525/3 Geo-Information for Risk and Vulnerability Assessment

### Electives (Choose any 3 courses)

- HGT526/6 Geo-Information Science Applications
- HGT527/6 Extraction and Analysis of Geospatial Data
- HGT528/6 Natural Hazards, Exposure and Risk Mapping
- HGT529/6 Geo-spatial Analysis of Multi-hazard Risk
- HGT530/6 Natural Hazard Modelling
- HGT531/6 Building Resilient Communities based on Geo-Information: Case Study

### Project (Compulsory)

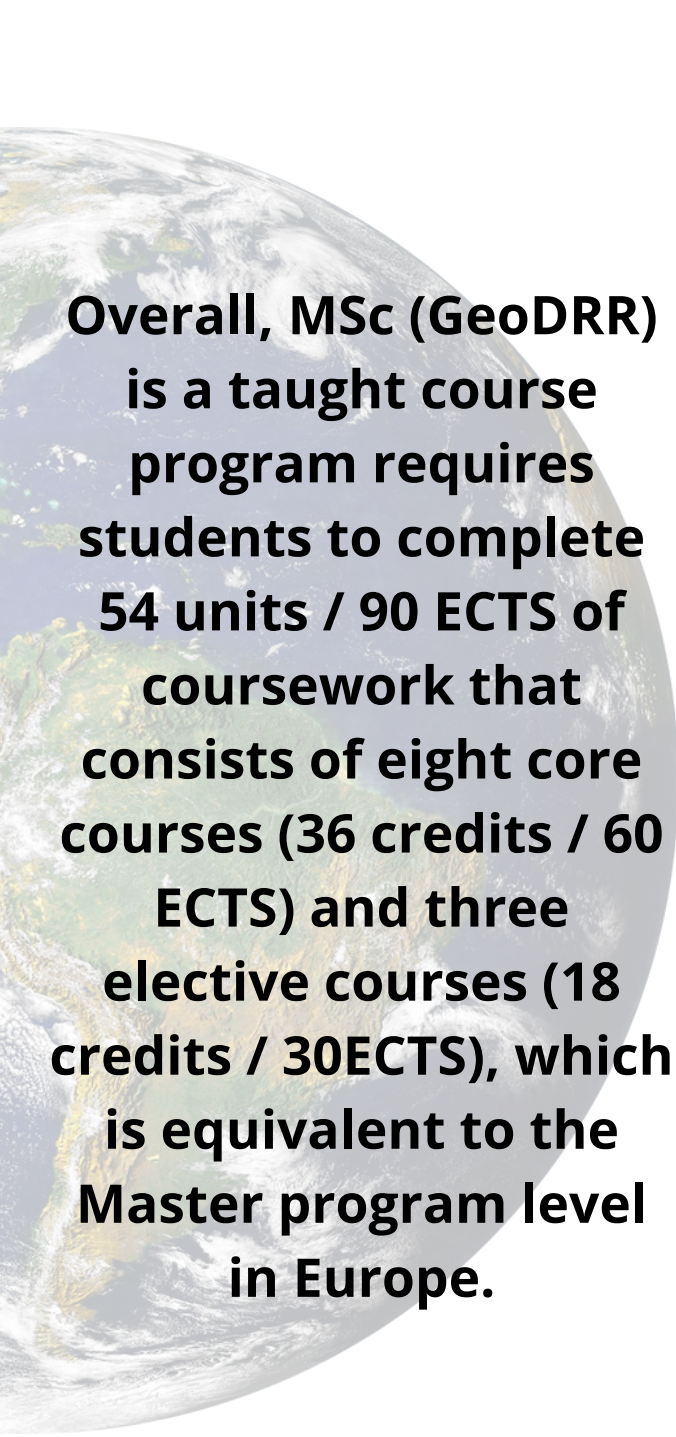
- HGP593/15 Research Project

## GET IN TOUCH

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<http://ips.usm.my/>

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**Overall, MSc (GeoDRR) is a taught course program requires students to complete 54 units / 90 ECTS of coursework that consists of eight core courses (36 credits / 60 ECTS) and three elective courses (18 credits / 30ECTS), which is equivalent to the Master program level in Europe.**

Program Duration

1.5 years

Benefits

Able to execute independent (applied) research being knowledgeable, competitive, principled and skilled in theory and practice of Geomatics / Geospatial in dealing with an organization's disaster risk reduction needs.

Fees

Local: RM27,000

International: RM37,800 (USD,9450)

## More Info :



<https://humanities.usm.my/>



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# MSC (GEODRR)

**GeoDRR**  
Geomatics for Disaster Risk Reduction

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