


UNIVERSITI TEKNOLOGI MALAYSIA

Asian Conference on Disaster Reduction 2016 | 25-26 February 2016

MDRM @ MJIIT-UTM
MASTER OF DISASTER RISK MANAGEMENT

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Malaysia-Japan International Institute of Technology (MJIIT)
Universiti Teknologi Malaysia (UTM) Kuala Lumpur
Jalan Sultan Yahya Petra,
Kuala Lumpur, Malaysia

26 February 2016 @ Phuket, Thailand

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NEW POSTGRADUATE
MASTERS DEGREE
BY COURSEWORK IN
DISASTER RISK
MANAGEMENT

@ MJIIT, UTM Kuala Lumpur


Debris Flow @ Kundasang Sabah 2015

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Introduction

A great initiative by MJIT-UTM offering the first **Master's degree by coursework in Disaster Risk Management** in Malaysia.



- ❑ It aims to foster highly-skilled human resources who can be leaders in the field of disaster risk management in public and private sectors in Malaysia, and ASEAN region.

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Program Details

- ❑ A joint collaboration/effort between UTM-MJIT with the members of Japanese University Consortium of MJIT;
- ❑ A program designed for the mid-career professionals who are working in the field of disaster risk management in the government or non-government agencies in Malaysia and ASEAN countries;
- ❑ 1 year full-time modular-based Program (2 semesters + 1 short semester for 42 credits)

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Disaster Risk Management Subcommittee

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MJIIT
MALAYSIA-JAPAN INTERNATIONAL INSTITUTE OF TECHNOLOGY

JICA
Japan International Cooperation Agency

筑波大学
University of Tsukuba

KYOTO UNIVERSITY
FOUNDED 1897

MJIIT - JAPANESE UNIVERSITY CONSORTIUM

NIED
National Research Institute for Earth Science and Disaster Prevention

Global Centre of Excellence for Water Hazard and Risk Management
ICARM
International Centre for Water Hazard and Risk Management under the auspices of UNESCO

YAMAGUCHI UNIVERSITY
山口大学

九州大学
KYUSHU UNIVERSITY

SHIBAURO INSTITUTE OF TECHNOLOGY
芝浦工業大學

KANZAWA UNIVERSITY 1949
金沢大学

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Expected Outcomes

Upon completion of the program, graduates will be able to:

1. Become professionals with **highly-skilled human resources** who can be leaders in the field of disaster management in public and private sectors in Malaysia;
2. Generate solutions and ideas by addressing the complexities of the disaster risk management challenges through a **multi-inter, and trans-disciplinary** respective;
3. Become proactive members that can effectively analyse and communicate disaster management issues to a broader community of **stakeholders**.

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Market Survey

Aims of this Survey

- To gather **information, opinions and expectations** from stakeholders on the newly proposed Masters program – Disaster Risk Management;
- To evaluate whether the proposed program fulfils the market **needs and preferences**;
- To identify potential areas for further **improvement**

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Market Survey

In total, 13 questionnaires are systematically distributed;

- Part 1 – Respondent Profile
- Part 2 – Relevant of the Program towards Organization
- Part 3 – Program Content
- Part 4 – Career Opportunities
- Part 5 – Location
- Part 6 - Sponsorship



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Key findings of Market Survey

Out of 183 respondents, the survey positively found:-

1. Course relevant	=	89.8 %
2. Program Course Coverage	=	76.8 %
3. Program Strength	=	85.1 %
4. Interest to organization	=	92.6 %
5. Employee Encouragement	=	86.1 %
6. Career Opportunity	=	73.1 %
7. Course @ UTM Kuala Lumpur	=	94.5 %

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Program Educational Objectives (PEOs)

PEO 1 An expert and decision maker who are able to acquire and apply knowledge of disaster management throughout his/her life.

PEO 2 Able to lead and also to be a team member in a disaster management team.

PEO 3 Planner in reconstruction of infrastructures and health care after a disaster.

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Program Outcomes – POs

PO1	Knowledge Apply, integrate and generate advanced knowledge in disaster management.
PO2	Practical Skills Apply appropriate advanced tools to solve and manage current and future disaster issues.
PO3	Social Skills and Responsibilities Evaluate and address current and post-disaster societal challenges and reconstruction.
PO4	Values, attitude, ethics and Professionalism Generate solutions to complex disaster situations in compliance with legal, ethical and professional code of practice.

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Program Outcomes- cont.

PO5	Communication, Leadership skills and Team Work Demonstrate leadership and team-working qualities by communicating and working effectively with peers and stakeholders in managing a disaster.
PO6	Scientific and Critical thinking skills Apply scientific and critical thinking skills to provide solutions to complex disaster situations.
PO7	Information Management and Lifelong learning skills Retrieve and utilize relevant disaster information to innovate solutions in disaster management continuously.
PO8	Managerial and Entrepreneurial skills Apply managerial skills to plan and develop a resilient society.

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Program Structure

Distribution of Credits

Components	Total Credit Hours	Percentage (%)
University courses	6	71
Core courses	15	
Electives	9	
Project	12	29
Total	42	100

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Distribution of Courses -First Semester-

Component	Course	Credit
University Course	Research Methodology	3
Core Course	Integrated Disaster Management	3
Core Course	Disaster Data Management and Forecasting	3
Core Course	Control Measures and Mitigation Planning	3
Core Course	Emergency Response Planning and Communication	3
Core Course	Recovery and Reconstruction Management	3
Total		18

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 Distribution of Courses -Second Semester-		
Component	Course	Credit
University Course	Quantitative Data Analysis for Disaster Management	3
Elective	Refer to the Table of Elective Courses	3
Elective	Refer to the Table of Elective Courses	3
Elective	Refer to the Table of Elective Courses	3
Project	Project 1	6
Total		18
-Short Semester-		
Component	Course	Credit
Project	Project 2	6
Total		6

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 Table of Elective Courses - Technical-	
Courses	Credit
Control Measures for Landslides and Debris Flow	3
Flood Forecasting and Hazard Mapping	3
River Systems and Management	3
Geo Information in Disaster Risk Assessment	3
Flood Hydraulics and Mechanics of Sediment Transportation	3

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Table of Elective Courses - Policy & Management-

Courses	Credit
Disaster Education and Preparedness	3
Community and Social Resilience	3
Public Health Policy and Management	3
Healthcare in Emergencies and Rehabilitation	3
Disaster Psychology	3

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MASTER OF DISASTER RISK MANAGEMENT



- ❖ Taught course Master Programme
- ❖ Full-Time, Mid-career professional
- ❖ 2 Semesters + 1 Short Semester
- ❖ Professional support from Japan
- ❖ First intake September, 2016
- ❖ More details at mjiit.utm.my/dppc

Two weeks attachment in Japan!



SCAN THIS QR CODE WITH YOUR SMARTPHONE TO SEE WHERE IT TAKES YOU!








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Terima Kasih
Thank you
ありがとうございます
- Arigatou Gozaimasu-

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