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UNIVERSITY OF TWENTE.

Multi-Hazard Risk Assessment (online course)

University of Twente

Certificate / Diploma Short course Enschede

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Course description

Qualification Certificate

Field of study Agriculture and environment

Course summary The course explains how to conduct a risk assessment using spatial information on hazards, elements at risk and vulnerability with the aid of GIS and remote sensing.

Course description Owing to increased vulnerability and climatic extremes, we are faced with the rapidly growing impact of disasters worldwide. There is an urgent need to incorporate the concepts of disaster risk management into planning, sustainable development and environmental impact assessment. Disaster risk management requires the assessment of risk, which is a multidisciplinary endeavour. The course explains how to conduct a risk assessment using spatial information on hazards, elements at risk and vulnerability with the aid of GIS and remote sensing, and how this information can be used in risk management, with a focus on urban areas. This course is designed for all those who have to carry out risk assessment and require knowledge and skills in using a GIS to handle the necessary the procedures, such as professionals working in governmental and non-governmental organizations, planners, engineers, architects, geographers, environmental specialists and university teachers. Some basic background in GIS is desirable, although not strictly necessary as the course follows a step-by-step approach that enables participants to rapidly acquire the basic skills in handling GIS software.

Study subjects Introduction to risk assessment; spatial data for risk assessment; hazard assessment; elements at risk assessment; vulnerability assessment; risk assessment; risk management; final project. Understand hazard and risk assessment concepts;Formulate the requirements to carry-out a



Course objectives	hazard and risk assessment; Generate risk maps using qualitative and quantitative methods; Apply a risk assessment for your own situation.
ECTS credits	5.00
Duration	40 day(s) part-time
Language of instruction	English
Instruction modes	case study, computer exercise, individual assignment, literature study, practicum, self study
Accreditation	NVAO

About the institution

Department	Geo-Information Science and Earth Observation
Information about the institution	Whether you are a prospective or postgraduate student or a professional who wants to continuously grow professionally and personally: the University of Twente offers you academic education.

Admission

Admission requirements	1. BSc degree from a recognized university in Earth Sciences, Environmental sciences, engineering, planning, or other relevant discipline/
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Language requirements	Cambridge Certificate in Advanced English	C1
	Cambridge Certificate of Proficiency in English	C1
	IELTS overall band	6.0
	TOEFL computer based	213
	TOEFL internet based	80
	TOEFL paper based	550

Professional experience required

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Duration
40 day(s)
part-time

Application deadlines	Start date	EU/EEA Students	Non-EU/EEA students
	14 Apr 2020	24 Mar 2020	24 Mar 2020

Year EU/EEA Non-EU/EEA Institutional

No tuition fees available.

In short, the following rules apply:

- The "EU/EEA rate" is the regular fee for students from within the EU/EEA.
- The "non-EU/EEA rate" is the rate for students from outside the EU/EEA.



- Tuition fees
- The "institutional rate" is for all students who have already obtained a bachelor's or master's degree and who want to start a second programme leading to a degree at the same level or at a lower level.
 - Note that FT, PT and D stand for "full-time", "part-time" and "dual", respectively.

Make sure you contact your institution to find out what rate applies to you. The rates listed here are estimates.

Scholarships -
For more scholarships, visit: www.grantfinder.nl

Course website [More information about the course](#)

Contact

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Course website

[More information about the course](#)

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