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UNIVERSITY OF TWENTE.

Principles and Applications of Geographic Information Systems and Remote Sensing (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 An overview is given of System Earth with its various cycles, the basics and application of GIS and earth observation methods. The course is relevant for professionals who deal with geospatial data.

Course description Geographical information science (GIS) and Earth Observation are scientific disciplines that develop methods to extract information about the earth surface and use this information for solving real-world problems. Many tools and services that are now main stream like GPS, route planners in cars and Google Earth were developed by GIScientists. Spatial data, and methods to combine and analyse spatial information can help to solve complex issues concerning health care, water and food security, climate change, urban planning, natural hazards and land scarcity. Are you a professional (scientist or practitioner) with an academic background dealing with geospatial data? Do you have only a limited knowledge of the principles of GIS and earth observation in your application field? Would you like to take a course in Geo-Information Science and Earth Observation, which is an integral part of a full MSc programme, without having to spend any time away from home? ITC at the University of Twente (the Netherlands) now offers you this opportunity, with a brand-new distance



course entitled "Geo-Information Science and Earth Observation: a Systems-based Approach".

Study subjects	The course consists of three separate but connected 5 EC modules: Module 1: Geo-Information Science and Modelling (5 EC) Module 2: Earth Observation (5 EC) Module 3: Data integration: Principles, approaches and user perspectives (5 EC) Each module takes 10 weeks (as opposed to 3 weeks each in full-time face-to-face education)
Course objectives	The distance course produces the same learning outcomes and has similar content to the face-to-face course that starts off ITC's regular Master's programme in Geo-Information Science and Earth Observation. Distance education also takes place in a similarly international (albeit virtual) environment. Consequently, this could be a head start of a full MSc or a sensible way for you to get a taste of the full face-to-face programme, and determine whether you're up to it.
ECTS credits	15.00
Duration	271 day(s) part-time
Language of instruction	English
Instruction modes	case study, computer exercise, group assignment, group discussion, individual assignment
Accreditation	NVAO

About the institution

Department	Geo-Information Science and Earth Observation
Information about the institution	The University of Twente is where talent can best realize its full potential. Students and staff are the key. Together they ensure pioneering research, relevant innovation and inspiring education.

Admission

Admission requirements	<ol style="list-style-type: none">1. Applicants for an online course should have a Bachelor degree or equivalent from a recognised university in a discipline related to the course, preferably combined with working experience in a relevant field.2. Computer skills and regular access to internet and e-mail are essential in this course.3. Applicants for an online course should have a Bachelor degree or equivalent from a recognised university in a discipline related to the course, preferably combined with working experience in a relevant field.
Language requirements	Cambridge Certificate in Advanced English C1 Cambridge Certificate of Proficiency in English C1 IELTS overall band 6.0 TOEFL internet based 80 TOEFL paper based 550

Professional



experience required	-
Duration	271 day(s) part-time
Application deadlines	Start date EU/EEA Students Non-EU/EEA students 3 Feb 2020 13 Jan 2020 13 Jan 2020
	Year EU/EEA Non-EU/EEA Institutional 2019 (PT) n.a. n.a. € 3347

In short, the following rules apply:

Tuition fees	<ul style="list-style-type: none"> • 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. • 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.
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Make sure you contact your institution to find out what rate applies to you. The rates listed here are estimates.

Scholarships	Orange Knowledge Programmes (OKP), Orange Knowledge Programmes (NFP) For more scholarships, visit: www.grantfinder.nl
Course website	More information about the course

Contact

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Telephone number	



Course website
Institution website
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