

# Favourites



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UNIVERSITY OF TWENTE.

## Earth Observation (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 GIS and Earth Observation are scientific disciplines that develop methods to extract information about the earth surface. The focus of the course will be mainly on solving problems.

Course description Geographical information science (GIS) and Earth Observation through remote sensing 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 route planners in cars and Google Earth were developed by GI Scientists on the basis of remote sensing data. The same remote sensing data, and methods to combine and analyse this in conjunction with 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 Are you a professional with an academic background working with geospatial data which is out of date or with insufficient detail or scope? Have you always had an eager interest in how we measure the Earth from space? Do you want to acquire and learn to apply the basic principles of earth observation through remote sensing? Than this online course will be relevant for you!

Study subjects The course covers a wide range of topics offered through video lectures, virtual classrooms and chat sessions, guided discussions and assignments. Theoretical knowledge is transferred through reading, watching videos and assignments. Concepts will be illustrated by computer exercises for the development of skills in software handling and applications. This course



requires attendance of about two online scheduled classroom sessions per week in which you meet with your fellow students and teachers

**Course objectives** After completion of the course you will be able to generate information from earth observation data to support the study and visualization of processes in system earth and the related role of human beings. In addition to providing a strong theoretical basis, you will also develop practical skills in the capture and analysis of spatial data and the visualization of the resulting information.

**ECTS credits** 5.00

**Duration** 68 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** -

**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**

1. Computer skills and regular access to internet and e-mail are essential in this course. Candidates are asked to provide proof of identity during the registration and examination process.
2. Applicants for the Distance programme 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.
3. As all courses are given in English, proficiency in the English language is a prerequisite. Only internationally recognized test results are accepted. TOEFL Paper-based Test (PBT) 550 TOEFL Internet-based Test 79-80 British Council / IELTS 6.0 Cambridge CPE/CAE

	Cambridge Certificate in Advanced English	C1
	Cambridge Certificate of Proficiency in English	C2
<b>Language requirements</b>	IELTS overall band	6.0
	TOEFL computer based	213
	TOEFL internet based	80
	TOEFL paper based	550

**Professional experience** -



required

Duration 68 day(s)  
part-time

Application **Start date** **EU/EEA Students** **Non-EU/EEA students**  
deadlines 20 Apr 2020 30 Mar 2020 30 Mar 2020

**Year EU/EEA Non-EU/EEA Institutional**

No tuition fees available.

In short, the following rules apply:

- Tuition fees
- 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.

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](http://www.grantfinder.nl)

Course website -

## Contact

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Course website -



Institution website  
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