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Data Acquisition, Preprocessing and Modelling using HEC-RAS

IHE Delft Institute for Water Education

Certificate / Diploma Short course Delft

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Course description

Qualification Certificate

Field of study Agriculture and environment

Course summary The course starts with preprocessing of data for modelling using open source GIS and spatial analysis tools. Next, modelling with HEC-RAS will be introduced.

Course description " .. "

Study subjects The course has lectures on the theory for preprocessing of data using open source software and hydrological modelling using HEC-RAS. Practical experience will be acquired during computer exercises on using open source software for preprocessing and modelling with HEC-RAS.

Course objectives After this course the participants are able to: (1) acquire open access data, (2) use open source GIS software for pre- and post-processing and (2) implement a HEC-RAS model.

ECTS credits 3.50

Duration 2 week(s)
full-time

Language of instruction English

Instruction



modes computer exercise, computer modeling, lecture

Accreditation -

About the institution

Department IHE Delft

Information about the institution

IHE Delft Institute for Water Education is the largest international graduate water education facility in the world and the only institution in the UN system to confer accredited MSc degrees and promote PhDs. It offers degree programmes, short courses, online courses and tailor-made training. Since 1957 the Institute has provided graduate education to more than 15,000 water professionals from over 160 countries. More than 175 PhD candidates were promoted. IHE Delft is at the centre of a vast international network of water related institutions, and functions as an interface between knowledge networks and centres, public and private sector organizations, scientific and professional associations and other members of the international water community. The Institute runs a substantial number of joint MSc programmes implemented in partnership with universities around the globe. These joint programmes combine the strengths of the collaborating institutions and deliver either multiple degrees or a joint degree.

Admission

Admission requirements

1. Preferably 2 to 3 years of practical or research work experience
2. Relevant wo bachelor(academic bachelor) BSc degree or equivalent qualification in a relevant field from a recognised university

Language requirements

IELTS overall band 6
TOEFL internet based 87
TOEFL paper based 999

Professional experience required

-

Duration

2 week(s)
full-time

Application deadlines

Start date	EU/EEA Students	Non-EU/EEA students
16 Sep 2019	16 Aug 2019	16 Aug 2019
14 Sep 2020	14 Aug 2020	14 Aug 2020

Year	EU/EEA	Non-EU/EEA	Institutional
2019 (FT)	€ 1940	€ 1940	n.a.

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 Orange Knowledge Programmes (OKP), MENA Scholarship Programme , Netherlands Fellowship Programmes (NFP)

For more scholarships, visit: www.grantfinder.nl

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

Contact

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IHE Delft

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Telephone number

Course website

[More information about the course](#)

Institution website

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