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Online course Environmental Flows

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 This online course introduces the concept of environmental flows, explains why they are necessary, how to assess and implement them and what they can achieve and what they cannot.

Course description An often under-valued aspect of water resources management is maintaining the ecological goods and services which rivers provide for people, including income, food, health and recreation. The term 'Environmental Flows' is used to refer to a modified flow regime to maintain a river in some agreed ecological condition. However, maintaining the full spectrum of naturally occurring flows in a river is nowadays hardly possible due to economic developments which have modified the natural flow regime. Environmental Flows can therefore be seen as finding a balance between river basin development on one hand and maintenance of river ecology on the other. The topic of environmental flows requires input from a wide variety of disciplines: Hydrology, Hydraulics, Water chemistry and Geomorphology provide the baseline physical processes which govern environmental conditions in freshwater ecosystems as well as the coastal zone. Governance, policy, economics and social conditions provide the framework for managing natural resources.

Study subjects Fundamental concepts, situation analysis, Science of Environmental Flows, Assessment Methodologies, Implementation, Cases Studies (lessons learnt), Group Project

Course *To understand the importance of balancing the use and protection of the natural water resources * To have a good overview of the available methods used for assessing



objectives	environmental flow. * To provide knowledge and skills necessary to manage an environmental flow process.
ECTS credits	5.00
Duration	18 week(s) part-time
Language of instruction	English
Instruction modes	case study, lecture, self study, individual assignment, literature study
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. Several years of relevant working experience
2. Academic Bachelor's 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

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Duration

18 week(s)
part-time

Application deadlines	EU/EEA Students	Non-EU/EEA students
2 Sep 2019	2 Aug 2019	2 Aug 2019
7 Sep 2020	7 Aug 2020	7 Aug 2020



Year	EU/EEA	Non-EU/EEA	Institutional
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2019 (PT)	€ 1035	€ 1035	n.a.
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In short, the following rules apply:

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

Course website	More information about the course
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Contact

Ms T. van der Zee

Contact information for the study programme Admission and Fellowship Officer

onlinecourseregistration@un-ihe.org

IHE Delft

Contact information for the institution

Student Affairs

info@un-ihe.org

Telephone number

Course website

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Institution website

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