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Asset Management

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 Asset management can be defined as managing infrastructure capital assets to minimize the total cost of owning and operating them, while delivering the service levels customer's desire.

Course description Asset management can be defined as managing infrastructure capital assets to minimize the total cost of owning and operating them, while delivering the service levels customer's desire. It can be effectively use to improve operational, environmental, and financial performance of any system that delivers a significant service. Asset management programs with long-range planning, life-cycle costing, proactive operations and maintenance, and capital replacement plans based on cost-benefit analyses can be the most efficient method of meeting the challenge of providing the best possible service under numerous real-world constraints (e.g. Limited funds, capacity). While the principals learned will be universally valid for managing of any type of asset, in this module, the prime focus is on the asset management of urban water infrastructure systems, namely, water supply and drainage/sewerage systems. All the examples/case studies will be drawn from these two areas.

Study subjects Overview of Integrated Asset Management; Asset Inventory; Asset Database; Data Management; Condition Assessment and Modeling of Asset Components; Failure Impact Assessment and Criticality; Resource Allocation Decision Making; How to Maximize the Impact of Limited Resources; Advancements in Asset Management.

Integrated Asset Management provides a strategic approach and analytical tools to reduce the cost maintaining, upgrading and operating assets whilst achieving management performance



Course objectives	and service objectives. The systematic introduction of the concepts of IAMS together with examples from the sector of public infrastructure systems like storm water & sewerage systems and water supplies.
ECTS credits	5.00
Duration	3 week(s) full-time
Language of instruction	English
Instruction modes	lecture, group discussion, self 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	<ol style="list-style-type: none"> 1. Several years of relevant working 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	3 week(s) full-time						
Application deadlines	<table> <thead> <tr> <th>Start date</th> <th>EU/EEA Students</th> <th>Non-EU/EEA students</th> </tr> </thead> <tbody> <tr> <td>10 Feb 2020</td> <td>10 Jan 2020</td> <td>10 Jan 2020</td> </tr> </tbody> </table>	Start date	EU/EEA Students	Non-EU/EEA students	10 Feb 2020	10 Jan 2020	10 Jan 2020
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10 Feb 2020	10 Jan 2020	10 Jan 2020					



Year	EU/EEA	Non-EU/EEA	Institutional
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2019 (FT)	€ 2910	€ 2910	n.a.
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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

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

Contact information for the institution

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Telephone number

Course website

[More information about the course](#)

Institution website

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