

The **DHI-NTU Education Hub** offers professional training courses and workshops for practitioners employed in the water and environment industry. These training courses are supported by the **Environment and Water Industry Council (EWI)**.

Our team of researchers and consultants has developed **inter-modular and flexible courses** and workshops providing the link from recent scientific advances and new technological developments to practical applications.

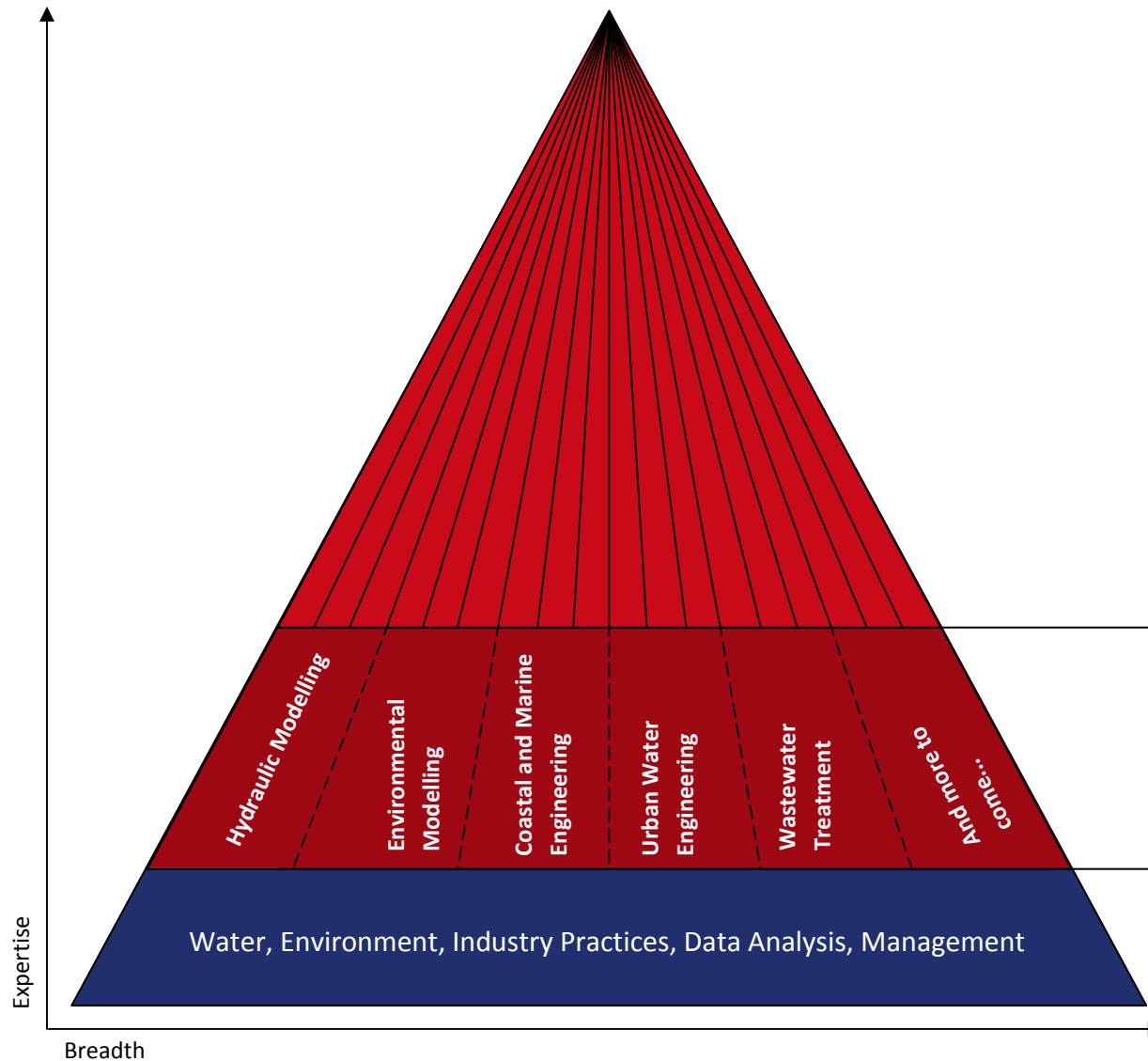


# DHI-NTU Water & Environment

Research Centre & Education Hub

DHI-NTU Center - Member of the **NEWRI** Ecosystem

## Training Courses & Workshops



**Expert Courses** Long-term courses (2 weeks to 2 months) to train specialists in DHI-NTU Centre fields of specialty (e.g. MBR treatment, CFD Modelling, Sedimentation Modelling). Expert courses are available and could be tailored to specific requirement.

**Executive Courses** Inter-related and modular educational programmes from 1 to 2 weeks available in short or fast track. Comprehensive programme of lectures, individual and group practices and field visits.

**Workshops** More than 30 courses for post-graduates and professionals. These courses (4 to 8 hours) are pegged at the introductory level, and delivered in the form of lectures and demonstrations.

## Course Fees

Courses are conducted on a **not-for-profit** basis. Fees are given at exact cost. Furthermore, our courses are co-financed by the Environment & Water Industry Development Council (EWI) to **50%**.

Quotes below are given per person and assuming 5 attending participants. We provide further discount for larger number of participants.

<b>Workshop</b>	<b>\$300 - \$500</b>
<b>Executive Course</b>	<b>\$1000 - \$4000</b>
<b>Expert Course</b>	<b>\$1000 - \$4000</b>

## Workshops

In water, environment, urban hydrology, water and waste management, coastal hydraulics and environmental data handling.

**Objective** to provide introductory knowledge to professionals intending to update or extend their skills in their industry.

## Participants

**Professional practitioners** with some theoretical and/or practical background in the field of water and/or the environment:

**Managers and technical administrative staff** in need of a general overview of technology options, applications, advantages and limitations, and sharing of experience.

**Technical staff** in need of in-depth knowledge and hands-on practise, specialist tools, operation methodology, environmental monitoring, analysis and decision-support.

## Venue

Our courses, modules and programmes are available in **short or fast track** according to the clients' requirement. Courses may be delivered in half-day module and spread over several months or offered as intensive courses over a few days.

Lectures can be arranged at DHI, NTU facilities or at the client premises.

## Certification

Continuous attendance of lectures and completion of assignments will lead to certification for each course, module and workshop. Certain courses may be eligible for the award of PDU by the Professional Engineers Board of Singapore (PEB).

## Contact

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Please, visit our webpage to view our course catalogue or contact us for more information.

## Executive Courses

In our main fields of expertise. Courses are composed of independent modules. Modules sequences can be shaped to fit specific training needs and objectives.

**Objective** to provide practical knowledge and skills for ready professional application.

### Examples of modular programme

	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
<b>Hydraulic Modelling</b>	HD1 Numerical modelling	HD2 Model Domain	HD3 Boundary Data			HD4 Flood and River	HD5 Sewer Modeling	HD6 3D Reservoir		
<b>Environmental Modelling</b>	HD1 Numerical modelling	HD2 Model Domain	HD3 Boundary Data			WQ1 Water Quality Characterization	WQ2 Water Quality Data			
<b>Coastal Engineering</b>	HD1 Numerical modelling	HD2 Model Domain	HD3 Boundary Data			CM1 Marine Dynamics	CM2 Marine Structures	CM3 Integrated Coastal Zone Management		

### Examples of module content

	HD1 Numerical Modelling	HD2 Model Domain	HD3 Boundary Data
<b>Duration</b>	2 days	1 day	2 days
<b>Lectures</b>	Introduction to physics Navier Stokes, St Venant (1D to 3D), Manning Turbulence enclosure...	Numerical grids and mesh Data requirements Survey Techniques	Boundary parameter influence (current, wind...) Survey techniques
<b>Modalities</b>	1 individual model 1 group model	1 individual home-work	1 group assignment 1 field visit

## Expert Courses

Professionals who wish to become specialists in certain fields of expertise may take part in selected DHI and NTU training programmes.

**Objective** to quickly gain practical proficiency on real case project work.

### Course examples

- CFD Modelling, Reservoir Modelling
- Pollutant Discharge Modelling
- Dredging planning