

COURSES AND EVENTS CALENDAR 2017

PHILIPPINES

COAST & MARINE, FLOODING, URBAN WATER, SURFACE & GROUNDWATER,
ENVIRONMENT & ECOSYSTEMS, PRODUCT SAFETY & ENVIRONMENTAL RISK

BUILDING EXPERTISE





COURSE AND EVENTS CALENDAR 2017

| FOCUS AREA | TITLE | DATES | LOCATION |
|--|--|--------------|---------------|
| MIKE HYDRO River | Introduction to river and channel modelling | 14-15 Feb | Manila |
| MIKE 21 HD FM | 2D hydrodynamic modelling using flexible mesh | 24-25 Apr | Manila |
| MIKE FLOOD River | Integrated 1D and 2D river flood modelling | 24-25 May | Manila |
| MIKE HYDRO BASIN | Introduction to river basin modelling | 27-28 July | Manila |
| MIKE 21 ST FM | Sand transport modelling using flexible mesh | 26-27 Sep | Manila |
| HYDROLOGY MODELLING IN MINING CATCHMENTS | Introduction to using MIKE SHE in mine impacted catchments | 15-16 Nov | Manila |
| MORPHODYNAMIC SHORELINE MODELLING | Steps in completing morphodynamic shoreline studies | 19 Sep | Online course |
| COASTAL FLOODING - ANALYSIS AND MANAGEMENT | Preparing for flooding and the impact of climate change on your coasts | Upon request | |

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Training Course Flashes

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| <p>MIKE HYDRO RIVER Introduction to river and channel modelling</p> | <p>This two-day course gives you an introduction to the capabilities of the MIKE HYDRO River modelling system in order to enable you to set up and run basic river models with MIKE HYDRO River</p> | <ul style="list-style-type: none"> • MIKE HYDRI River and modular structure • MIKE HYDRO River graphical user interface (GUI) • Schematisation and application of simple river models • Modelling basic hydraulic structures |
| <p>MIKE 21 FLOW MODEL HD FM 2D hydrodynamic modelling using flexible mesh</p> | <p>This two-day course teaches you the fundamentals of 2D hydrodynamic modelling (HD) and gives you an introduction on how to set up a hydrodynamic model using the MIKE 21 Flow Model HD FM model using flexible mesh bathymetry.</p> | <ul style="list-style-type: none"> • Selection of geographical coordinate system and bathymetry digitisation (mesh) • Data import, editing and quality control • Setting up 2D hydrodynamic models • Managing boundary conditions • Calibration and validation |
| <p>MIKE FLOOD River Integrated 1D and 2D river flood modelling</p> | <p>This two-day course teaches you river flood modelling by integrating the 1D river model (MIKE HYDRO River) and 2D overland flow model (MIKE 21). The aim is to establish a 2D overland flow model for river flood modelling.</p> | <ul style="list-style-type: none"> • Building a bathymetry • Coupling MIKE HHDRO River and MIKE 21 • Fine scale structures in coarse grids • Floodplain modelling and mapping |
| <p>MIKE HYDRO BASIN Introduction to river basin modelling</p> | <p>This two-day course gives you an overview of how to use MIKE HYDRO Basin to support river basin management and reservoir operations. The course can be adapted to focus on different aspects of river basin management including hydropower, surface water groundwater interaction, irrigation, and water quality.</p> | <ul style="list-style-type: none"> • Introduction to river basin modelling • Water allocation rules • Reservoir and hydropower modelling • Optional modules including irrigation, rainfall-runoff processes, river routing, surface water-groundwater interaction, and water quality processes |
| <p>MIKE 21 ST FM Sand transport modelling using flexible mesh</p> | <p>This two-day course teaches you the fundamentals of sand transport modelling for both pure currents and a combined waves and current regime. You learn how to set up a sand transport model and simulate the sand transport and morphological changes.</p> | <ul style="list-style-type: none"> • Fundamentals of sand transport modelling • Application of MIKE 21 ST FM • Setting up wave and flow conditions • Specifying sand properties • Calculating sand transport |
| <p>HYDROLOGY MODELLING IN MINING CATCHMENTS Introduction to using MIKE SHE in mine impacted catchments</p> | <p>This three-day course provides you with the skills you need for applying MIKE SHE for fully integrated hydrologic modelling in mine impacted catchments.</p> | <ul style="list-style-type: none"> • Integrated hydrology in mining catchments • MIKE SHE and its graphical user interface • Detailed discussion of catchment processes • Data requirements and calibration • Typical applications in mine impacted catchments |
| <p>COASTAL FLOODING - ANALYSIS AND MANAGEMENT Preparing for flooding and the impact of climate change on your coasts</p> | <p>In this two-day course you learn how to develop coastal flood risk assessments & maps. Focus is on estimation of extreme marine events & the practical application of flood management tools. The effect of climate change on coastal floods is discussed.</p> | <ul style="list-style-type: none"> • Overview of tools for coastal floods analysis • What to request and expect from a model • Assessment of extreme marine events : • How to set up a flood model • Mapping flood risks, values and economic costs • Methods to evaluate the effectiveness of proposed adaptation measures |
| <p>MORPHODYNAMIC SHORELINE MODELLING Steps in completing morphodynamic shoreline studies</p> | <p>This modular, instructor led, online course gives you a sound understanding of the steps required for you to undertake and complete a successful morphodynamic coastal study. The course is divided up into 4 consecutive modules each of 120 minutes.</p> | <ul style="list-style-type: none"> • Module 1 - Coastal zone processes and infrastructure • Module 2 - Field measurements and remote sensing • Module 3 - Numerical modelling tools • Module 4 - Decision making |



Every year thousands of water professionals all over the world attend THE ACADEMY by DHI courses and events. THE ACADEMY courses are available both as standard as well as tailored courses designed according to your specific requests and based upon your own data.

THE ACADEMY by DHI offers an umbrella of standard and tailored training courses of various duration and targeting different levels of water professionals, including managers/ decision makers, mid-level professionals and technicians.

MIKE Powered by DHI courses

Our MIKE courses focus on practical skills, hands-on exercises and teaching you how to get the most out of your software. These courses also enable you to understand the power of the MIKE tools for building decision support systems.

Thematic courses

Our thematic courses allow you to apply concepts, applications and decision support principles to the entire business process within current areas such as aquaculture & agriculture, energy, climate change, flooding, coast & marine, surface & groundwater, urban water, industry, environment & ecosystems, and product safety & environmental risk.

Trainers

Our trainers are experienced professionals, many of whom are recognised international experts in their areas. The use of highly professional trainers guarantees the quality of THE ACADEMY courses.

Tailored courses

Our tailored courses are designed specifically according to your needs and given at the time and location of your choice (in-house at your company, at our office or elsewhere). The content can be a near copy paste of an existing course - or a complete tailored training based upon your own data and designed according to your specific needs.

Should the public enrolment course of your interest not be on the list in our Course Schedule for 2017, please feel free to contact us. Thus we can arrange for future courses, including thematic courses, or do a one-to-one course at your office!

Online courses & training seminars

Don't have time to travel? Would like to expand your horizon and learn more? Join us for our online courses and training seminars! Read more about our online activities [here](#)

THE ACADEMY by DHI offers a palette of training courses and capacity building packages in the field of water as well as in chemicals regulation and toxicology. Please consult our website for the complete listing as well as latest updates of our Courses & Events Calendar: www.theacademybydhi.com

Dates and location

Our scheduled courses are held either at easily accessible training locations.

Computers

A number of courses require computers. All participants are asked to bring their own lap tops.

Language

The course language is English. All training material is provided in English.

Course fees (per person)

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|---------|-----|-----|
| 1 day | USD | 250 |
| 2 days: | USD | 400 |
| 3 days: | USD | 675 |

Prices exclude any taxes, levies or other duties payable in The Philippines.

Discounts

- 10 % if valid Service Maintenance Agreement (SMA)
- 20% discount for students
- 25% for the 3rd and subsequent participants from same organisation.

Note: Only possible to make use of 1 offer of discount - discounts cannot be accumulated.

What is included?

Course fees include training material, training certificates, lunch and refreshments.

Registration

Deadline for registration is three weeks before commencement of course. A minimum of participants is required for courses to proceed. DHI reserves the right to reschedule courses up to one week prior to the commencement of a course.

You can register through our website <http://worldwide.dhigroup.com/sg> or contact us at mike.sg@dhigroup.com

Further information

Further information about additional software courses, thematic or tailored training please contact us at mike.sg@dhigroup.com. If in doubt about content of training you can always rely on our trainers to advise you on which training scheme to adopt to meet your preferences and needs.

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