

Course Schedule 2012

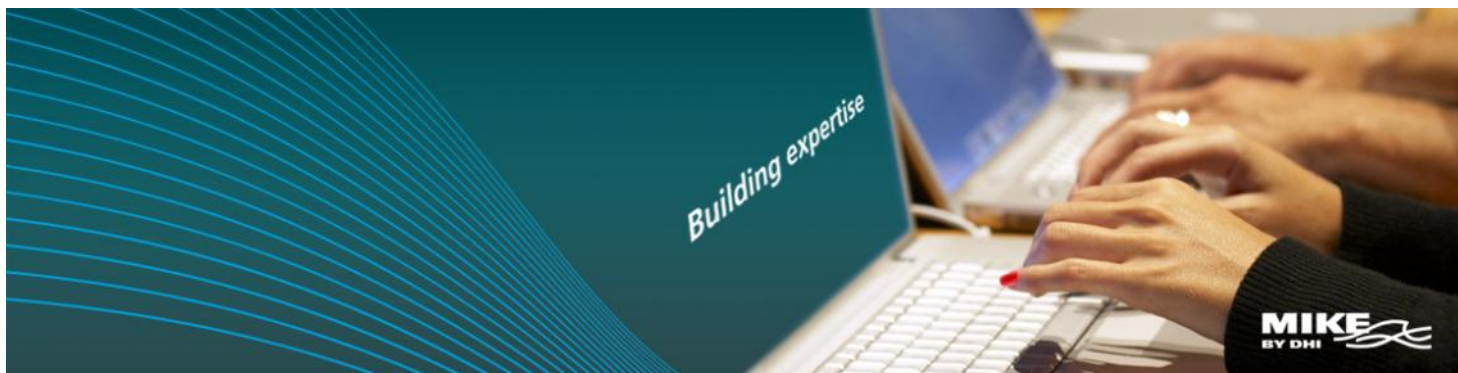
India



We help build your expertise

Cities
Flooding
Coast & sea
Water resources
Groundwater & porous media

MIKE
BY DHI 



COURSE SCHEDULE 2012

INDIA

Product	Title	March	May	September	October	December
MIKE 21 HD	Hydrodynamic modelling using 'classic' grid	12-13				10-11
MIKE 21 SW	Spectral wave modelling	14				12
MIKE 21 HD FLOW MODEL FM	Hydrodynamic modelling using Flexible Mesh	15				13
MIKE 11 GIS	GIS based model development (included in MIKE 11 course)		07	10		
MIKE 11	Introduction to river and channel modelling (including MIKE 11 GIS)		07-08	10-11		
MIKE BASIN	Introduction to river basin modelling (course description: www.mikebydhi.com/training/water/resources)		09-10			
MIKE SHE	Integrated catchment modelling				17-18	
FEFLOW	Introduction to groundwater modelling				15-16	
MIKE FLOOD (Urban)	Integrated 1D and 2D urban flood modelling		07			
MIKE FLOOD (River)	Integrated 1D and 2D river flood modelling		08			
MIKE URBAN CS	Introduction to modelling of collection systems	<i>Upon request</i>				
WEST	Introduction to modelling of wastewater treatment plants	<i>Upon request</i>				

Our courses are held at the DHI Office in New Delhi

COURSE DESCRIPTIONS

COAST & SEA	<p>MIKE 21 HD Hydrodynamic modelling using 'classic' grid</p> <p>Dates 12-13 March 10-11 December</p>	<p>This two-day, hands-on course provides a practical introduction to the basics of flow modelling and how to get started with 2D models. The course aims at enabling you to set up and run flow simulations with MIKE 21 HD and MIKE 21 NHD 'classic' versions.</p>	<ul style="list-style-type: none"> • Selection of geographical coordinate system and bathymetry digitization (grid) • Data import, editing and quality control • Setting up 2D hydrodynamic models • Managing boundary conditions • Calibration and validation
	<p>MIKE 21 SW Spectral wave modelling</p> <p>Dates 14 March 12 December</p>	<p>This two day, hands-on course provides a practical introduction to wave modelling using the MIKE 21 Spectral Wave model. The course will help you to predict and analyse wave climates in offshore and coastal areas.</p>	<ul style="list-style-type: none"> • Application of MIKE 21 SW • How to set up models based on flexible mesh (unstructured grid) • Decision of spectral formulation • Calibration techniques and model validation • Interpretation of results
	<p>MIKE 21 FLOW MODEL FM Hydrodynamic modelling using Flexible Mesh</p> <p>Dates 15 March 13 December</p>	<p>This two-day, hands-on course provides a practical introduction to the basics of flow modelling and how to get started with 2D models. The course aims at enabling you to set up and run flow simulations with MIKE 21 Flow Model FM using the advanced data preparation and editing facilities and presentation tools.</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
WATER RESOURCES	<p>MIKE 11 GIS GIS based model development</p> <p>Dates 07 May 10 September</p>	<p>In this course you will receive an introduction to the latest MIKE 11 GIS package (in ArcMap), which provides a range of efficient tools and features primarily for utilising GIS in the schematisation and preparation of MIKE 11 river model input files.</p>	<ul style="list-style-type: none"> • Schematisation of river model features • Extraction of topographical data from DEM • Importing existing river model data • Exporting model input files
	<p>MIKE 11 Introduction to river and channel modelling</p> <p>Dates 07-08 May 10-11 September</p>	<p>In this two-day, hands-on course you are given an introduction to 1D river modelling. Focus will be on knowledge of the basic features of MIKE 11 to enable you to set up and run simple river models with MIKE 11 and evaluate their results.</p>	<ul style="list-style-type: none"> • MIKE 11 modular structure • MIKE 11 graphical user interface (GUI) • Schematisation and application of simple river models • Modelling basic hydraulic structures
	<p>MIKE SHE</p> <p>Dates 17-18 October</p>	<p>MIKE SHE is being used in real projects around the world to solve engineering problems across the full hydrologic spectrum - from detailed wetland studies to basin-wide water resource management studies to real-time flood forecasting. In this three-day, hands-on course you will learn about the processes and linkages in integrated catchment modelling using MIKE SHE.</p>	<ul style="list-style-type: none"> • Channel flow • Overland flow and infiltration • Unsaturated/saturated groundwater flow • Hydrological coupling • Calibration of integrated models • Integrated water budgets • Integrated water quality modelling
GROUNDWATER	<p>FEFLOW Introduction to groundwater modelling</p> <p>Dates 15-16 October</p>	<p>This three-day, hands-on course provides you with an introduction to groundwater modelling using FEFLOW. On the basis of a case study you build a three-dimensional flow and transport model applying the most important programme functions, including pre-processing, simulation and result evaluation.</p>	<ul style="list-style-type: none"> • FEFLOW and its graphical user interface • Creating 2D and 3D mesh geometries • Setting up flow models with confined and unconfined aquifers • Setting up transport models • Steady-state and transient models • Usage of GIS-/CAD- data interfaces
FLOODING	<p>MIKE FLOOD (Urban) Integrated 1D and 2D urban flood modelling</p> <p>Dates 07 May</p>	<p>In this one-day, hands-on course you will learn how to develop a 2D overland flow model by coupling of the 1D urban drainage model (MIKE URBAN) and 2D overland flow model (MIKE 21) to simulate the fully integrated flow dynamics between sewage/storm water systems and surface areas.</p>	<ul style="list-style-type: none"> • Building urban bathymetries • Coupling MIKE URBAN CS and MIKE 21 • Coupling 1D and 2D models with MIKE URBAN 2D Overland Flow feature • Using GIS for model preparation and results
	<p>MIKE FLOOD (River) Integrated 1D and 2D river flood modelling</p> <p>Dates 08 May</p>	<p>In this one-day, hands-on course you will learn how to model integrated river and flood plain dynamics using MIKE FLOOD. Focus will be on defining efficient coupled 1D (MIKE 11) and 2D (MIKE 21) models with emphasis on data requirements, optimal model schematisation and model stability.</p>	<ul style="list-style-type: none"> • Building a bathymetry • Coupling MIKE 11 and MIKE 21 • Topographic data handling • Fine scale structures in coarse grids • Floodplain modelling and mapping • Results viewing and presentation
CITIES	<p>MIKE URBAN CS Introduction to modelling of collection systems</p> <p>Upon request</p>	<p>This 2-day, hands-on course provides a practical introduction to hydraulic modelling of wastewater and urban drainage networks. You will learn how to set up and run MIKE URBAN CS and turn model outputs into professional presentation material. The course aims at enabling you to perform the basic functions of MIKE URBAN CS.</p>	<ul style="list-style-type: none"> • Project setup, including units, coordinate system, etc • Data organisation, import/export of external data • Numerical and graphical editing and quality control • Dynamic simulation of rainfall/runoff and pipe flow • Result analysis and visualisation
	<p>WEST Introduction to modelling of wastewater treatment plants</p> <p>Upon request</p>	<p>This three-day, hands-on course provides basic training in WEST introducing the Activated Sludge Modeling (ASM) concepts upon which WEST is based. The training course is suitable for WWTP managers who want to optimise processes or minimise costs of operation and for operators who want to use WWTP modelling for scenario testing, trouble shooting and/or design optimisation.</p>	<ul style="list-style-type: none"> • Introduction to the world-wide ASM modelling concept including ASM1, ASM2D and ASM3 • Introduction to the WEST WWTP modelling simulator Configuration of WWTP model • Running simulations with WESTforDESIGN including graph setup, controller setup, creation of wastewater inlet files



DHI believes that the best way to ensure the success of our products is to ensure the success of our clients! One of the ways we do this is through our training courses.

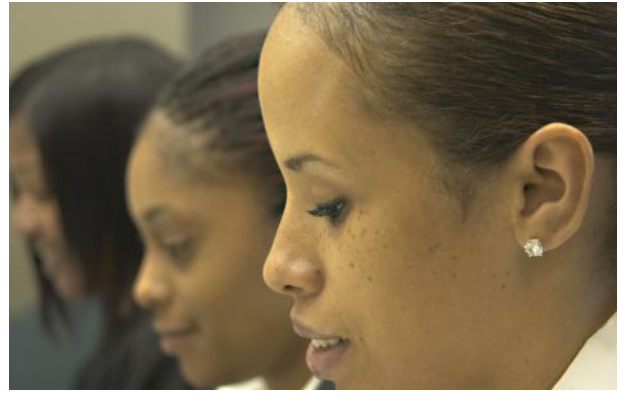
All our trainers are certified by DHI.

Our participants represent governmental agencies, regional and local water bodies, research institutions and universities, professional bodies and engineering companies, urban water utilities, coastal and harbour authorities.

Our course topics cover the areas of water resources, coasts and seas, cities, flooding and groundwater. Should the training course of your interest not be on the list, please feel free to contact us so that we can arrange for future courses or do a one-to-one course at your office.

Our short standard courses are designed to introduce you to the application of our various products and modules. Relevant participants for these courses include both new and potential users as well as current users who need an update to our products in a guided way. Our short courses are modular and allow you to build your expertise so as to match the requirements of your job.

Our tailored courses within client organisations range from short, dedicated courses in selected topics to longer courses, in which you - with support from relevant DHI experts - are guided through practical applications using your own data.



Venue and location

Our courses are held at DHI India Head Office in New Delhi, India.

Language

In general our courses are held in English. All training material is provided in English.

Course prices and discounts can be obtained from our Course Coordinator.

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

Registration

A minimum of five attendees is required for courses to proceed.

Deadline for registration

Three weeks before commencement of course. DHI reserves the right to reschedule training courses up to three weeks prior to the scheduled dates.

Further information

Consult our global Course Calendar - it always tells you when, where and which MIKE courses are offered worldwide: www.mikebydhi.com/training/globalcoursecalendar

Detailed course brochures, course fees and registration forms please contact:

Customer Care

Att: **Prashannajeet Chakraborty**, Course Coordinator

email: mikebydhi.in@dhigroup.com

DHI (India) Water & Environment Pvt. Ltd.

IIIrd Floor, NSIC Bhawan,
NSIC-STP Complex,
Okhla Industrial Estate,
New Delhi - 110 020
India

Tel: +91 11 4703 4500

Fax: +91 11 4703 4501

E-mail: mikebydhi.in@dhigroup.com

Web: www.dhigroup.com

