

Course Schedule 2012

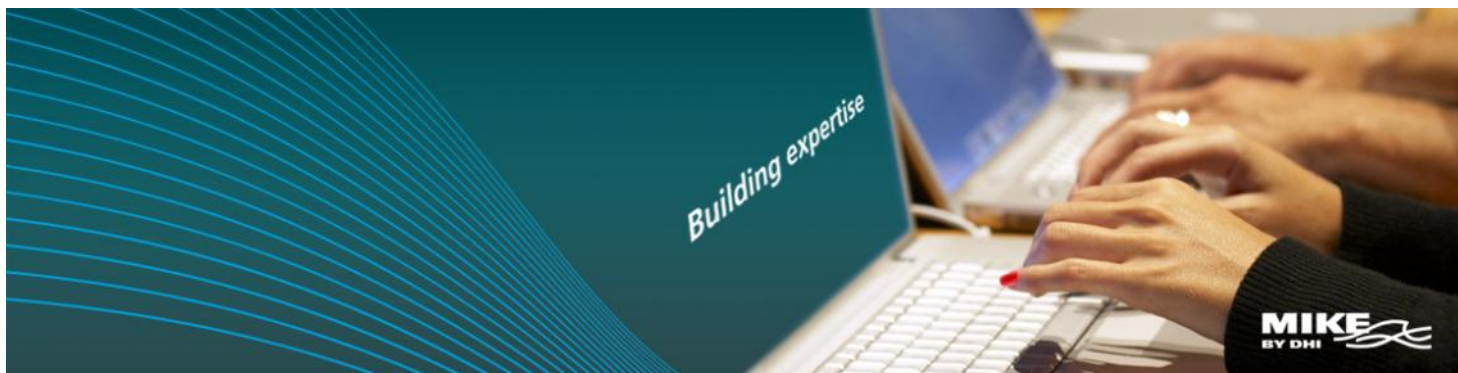
Canada



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Cities
Flooding
Coast & sea
Water resources
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MIKE
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COURSE SCHEDULE 2012

CANADA

	Product	Title	Dates	Location
CITIES	MIKE URBAN CS	Introduction to modelling of collection systems (MOUSE engine)	March 21-22	Calgary, AB
	WEST	Introduction to modelling of wastewater treatment plants	Upon request	n/a
FLOODING	MIKE FLOOD (Urban)	Integrated 1D and 2D urban flood modelling	November 05-06	Vancouver, BC
	MIKE FLOOD (River)	Integrated 1D and 2D river flood modelling	March 19-20	Winnipeg, MB
WATER RESOURCES	MIKE 11	Introduction to river and channel modelling	Upon request	n/a
	MIKE SHE	Integrated catchment modelling	October 01-03	Calgary, AB
GROUNDWATER & POROUS MEDIA	FEFLOW	Introduction to groundwater modelling	September 24-26	Toronto, ON
	FEFLOW	Advanced groundwater modelling	September 27- 28	Toronto, ON
COAST & SEA	MIKE 21 HD FLOW MODEL FM	Hydrodynamic modelling using Flexible Mesh	Upon request	n/a

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Whether you are a manager, an expert modeller or an experienced coastal, urban or water resources engineer, our MIKE by DHI Software courses can help you enhance your skills and make better decisions.



COURSE DESCRIPTIONS

CITIES	<p>MIKE URBAN CS Introduction to modelling of collection systems (MOUSE engine)</p> <p>Dates & place March 21-22, Calgary, AB</p>	<p>This two-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 • 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>The two-day, hands-on course provides professionals with an overview of the aspects to be addressed when working with modelling biological wastewater treatment plants. You will learn how to set up a project in WEST, conduct a dynamic simulation, as well as set up and execute advanced experiments (such as Uncertainty Analysis or Parameter Estimation).</p>	<ul style="list-style-type: none"> • The WEST GUI • Project setup (plant layout) • Dynamic simulation • Result analysis and visualisation • Objective evaluation • Advanced experiment types
FLOODING	<p>MIKE FLOOD (Urban) Integrated 1D and 2D urban flood modelling</p> <p>Dates & place November 05-06, Vancouver, BC</p>	<p>In this two-day hands-on course you will learn how to develop a 2D overland flow model by coupling the 1D urban drainage model (MIKE URBAN) and the 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 the 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 & place March 19-20, Winnipeg, MB</p>	<p>In this two-day 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
WATER RESOURCES	<p>MIKE 11 Introduction to river and channel modelling</p> <p>Upon request</p>	<p>This two-day, hands-on course gives an introduction to 1D river modelling with MIKE 11. The aim is to go through the basic features of MIKE 11 to enable you to set up and run simple river models and to 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 Integrated catchment modelling</p> <p>Dates & place October 01-03, Calgary, AB</p>	<p>MIKE SHE is being used in real projects around the world to solve engineering problems across the fully hydrological spectrum - from detailed wetland studies to basin-wide water resource management studies to real time flood forecasting. In this three-day, hands-on intensive 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 & POROUS MEDIA	<p>FEFLOW Introduction to groundwater modelling</p> <p>Dates & place September 24-26, Toronto, ON</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 3D flow and transport model applying the most important programme functions, including preprocessing, 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
	<p>FEFLOW Advanced groundwater modelling</p> <p>Dates & place September 27-28, Toronto, ON</p>	<p>This two-day, hands-on course aims at providing you with the skills for advanced modelling with FEFLOW. More topics can be provided upon request.</p>	<ul style="list-style-type: none"> • Advanced flow modelling: unsaturated, density and fracture flow • Advanced transport modelling: heat transport (geothermics), multi-components, chemical reactions • IFM programming • More topics available upon request
COAST & SEA	<p>MIKE 21 FLOW MODEL FM Hydrodynamic modelling using Flexible Mesh</p> <p>Upon request</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



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.

Our courses are held by our offices and technical support services worldwide. In your language and in your region!

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 courses 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 organizations 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.

Courses can take place at your premises or at your closest DHI office.



Venue and location

Our courses are held either at the DHI Office or easily accessible hotels. Participants are requested to bring their own laptops.

Language

All courses are held in English. All training material is provided in English.

Our standard course prices

1 day: \$ 895

2 days: \$ 1,095

3 days: \$ 1,295

5 days: \$ 1,795

(consecutive days only) All prices are exclusive of tax.

Course fees include training material, training certificates, refreshments and a complementary 30-day trial license.

Discounts

\$100.00 with a valid Service Maintenance Agreement (SMA)

\$50.00 Early Bird discount (registered 30 days or more prior to course start date)

10% for the 2nd and subsequent participant from the same organization

Registration

A minimum of 6 attendees is required for courses to proceed.

Deadline for registration

Two weeks before commencement of course. DHI reserves the right to reschedule training courses up to one week prior to the scheduled dates. Cancellations of registration by attendee 14 days — 8 days prior to course start date are 50% non-refundable and cancellations 7 days or less prior to course start date are 100% non-refundable.

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 descriptions, fees and registration forms

Please contact:

Barbara White, Course Coordinator

MIKE by DHI Customer Care, Canada

dhi-ca@dhigroup.com

Tel.: 888-344-9233

DHI Canada

303-150 Main Street

Cambridge, ON

Tel: 888-344-9233

Fax: 215-504-8498

dhi-ca@dhigroup.com

www.mikebydhi.com

www.dhigroup.com

