The purpose of this modular, self-paced, online course is to provide a new user of MIKE FLOOD with an insight into the benefits of coupling models together, and how to do it within MIKE FLOOD.

You will be introduced to MIKE FLOOD in general, the software graphical user interface and DHI’s approach to coupling of 1D/2D models.

The course will also include brief introductions to the individual models being coupled (MIKE 11, MIKE HYDRO River, MIKE URBAN, and MIKE 21). It is not the intention of the course to provide detailed instruction in these products.

The course is supported by downloadable material for two demonstration setups with separate Step-by-Step instructions, both of which can also be found in the software installation directory.

**COURSE MODULES AND TOPICS**

- **Course Overview**
- **Module 1** – Download, installation and licensing
- **Module 2** – Introduction to the MIKE Zero working environment
- **Module 3** – Introduction to the MIKE FLOOD concept
- **Module 4** – Introduction to the MIKE FLOOD coupling editor
- **Module 5** – Introduction to MIKE 11, MIKE HYDRO River, MIKE URBAN, MIKE 21
  - [five sub-modules 5A-5E can be viewed individually]
- **Module 6** – Hands-on supported by Step-by-Step Guide for MIKE FLOOD River
- **Module 7** – Hands-on supported by Step-by-Step Guide for MIKE FLOOD Urban

**TARGET GROUP AND PREREQUISITES**

- Students who want to learn more about 1D and 2D hydrodynamic modelling;
- Modelling professionals who need to expand the scope of their existing 1D models of rivers/channels/pipes by introducing dynamically coupled 2D overland flow;
- Engineers and operational staff working with flood mitigation, flood risk management, city planning, development assessment and emergency response.

Professionals who need to learn more about MIKE HYDRO River, MIKE URBAN, and MIKE 21) are recommended to join some of our related courses in these products.

**DATE AND TIME**

Modular, self-paced online course. Five modules with lectures and 2 modules with exercises.

**LOCATION AND VENUE**

Online.

**FEES AND DISCOUNTS**

Free of charge.

**LANGUAGE**

Lectures and training material are in English.

**FURTHER INFORMATION AND CONTACT**

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THE ACADEMY BY DHI

THE ACADEMY offers a palette of courses and capacity building packages designed to fit your needs and challenges. We offer standard and/or tailored training.

MIKE Powered by DHI 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 allow you to apply concepts, applications and decision support principles to the entire business process within current areas: aquaculture and agriculture, energy, climate change, flooding, coast and marine, surface and groundwater, urban water, industry, environment and ecosystems, product safety and environmental risk, etc.

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

Learn more about THE ACADEMY on www.theacademybydhi.com

INSTRUCTOR

MARK BRITTON

Mark Britton is a Principal Engineer in DHI Australia. Mark has many years of experience in surface water hydrology and hydraulics, particularly numerical modelling using the MIKE suite of software. Mark has worked on many flood risk projects in Australia, and he is an accredited DHI Trainer for MIKE FLOOD and associated software products.

Prior to joining DHI, Mark worked in both the private sector (engineering consulting companies) and local government, so he understands the broad range of applications where MIKE FLOOD software is applied, and more importantly the real world problems that engineering professionals are using DHI’s modelling software to address.

Visit our courses & events calendar for more courses:
www.theacademybydhi.com/courses-and-events-calendar

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