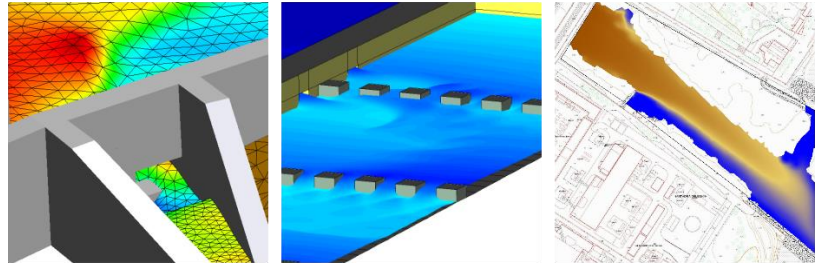


ADVANCED COURSE OF IBER

This aim of this classroom course, designed by the developers of the software Iber, is to show advanced capabilities of Iber. It is addressed to advanced users in order to teach them new features of **modules as dam break, water quality, hydraulic structures and sediment transport**. Advanced methodologies to build the models are also introduced by using practical cases.



OBJETIVES

The aim of this course is to give the students a solid knowledge on:

- Advanced capabilities of Iber modules
- Deepen into 2D shallow water concepts
- Developing 2D hydraulic models with Iber
- Pre-processing and post-processing methodologies

METHODOLOGY

Fully classroom course. The course is taught by the developers of Iber, and is mainly based in guided exercises. The Iber Team members teach and help the news users to understand the workflow of Iber.

The specific contents of the course can be defined *a priori* depending on the interests of the students. The duration of the course can be adapted depending on the specific contents.

ADRESSED TO

This course is addresses to **civil and hydraulic engineers and scientists who desire to acquire advanced skills on a free tool to model 2D shallow water flows**. Students and professionals from the public or private sector are welcomed.

LANGUAGES

This course can be taught in:

- **Spanish**
- **English**



COURSE CONTENTS

The contents of the course are focussed on the different **Iber calculation modules and pre- and post-processing methodologies**:

- Dam break module
- Water quality module
- Hydraulic structures module
- Sediment transport module
- Hydrological process module
- Advanced flood studies
- Pre- and post-process methodologies
- Results representation (3D view)

REQUERIMENTS

Academics

The course requires knowledge about 2D hydraulic modelling, GIS interfaces and its formats. A basic knowledge of the software Iber is also required.

Computational

Personal computer with Windows® OS.

TEAM

The teaching team is formed by the **developers of Iber**.

CERTIFICATES

Once the course is finished, a Certificate will be given by CIMNE, Universidade da Coruña and the Universitat Politècnica de Catalunya.



MORE INFORMATION

If you are interested in organising an Iber course and in the course prices, please contact us at **inscriptions@ibercursos.com**.