Short Course

Tools for modelling complex systems

EXECUTIVE EDUCATION
Mohammed VI Polytechnic University

What you will
Learn

Through the course "Tools for the modeling of complex systems", in process engineering, Modelica makes it possible to model different physico-chemical phenomena, such as thermodynamics, kinetics, transfers of matter, heat, and momentum etc. , but also the sensors, the different actuators (valves , pumps , heating , etc.) and their control systems.

Key
Benefits

Concretely, following this course participants will be able to :

- Develop solutions to problems complex & multi-physics of process engineering & implement them with Modelica, a programming language object oriented.

College of Computing

Summary

Composed of 2 modules, this course aims to introduce the principles of modelling system and modelling tools available. The language Modelica will more specifically discussed with applications on the simulation of process systems industrial.

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Leaders Never Stop Learning

Life on
Campus

A comfortable place to live: The UM6P campus covers 33 hectares in the heart of the future green city of Benguerir and near Marrakech.

Catering: Students have access to a university restaurant offering varied and balanced menus.

Learning Center: An exclusive library with more than 13 000 books.

Sports Center: It has excellent sports facilities and offers carefully studied physical activities.

Additional
information

Format: On site

Language: French – English

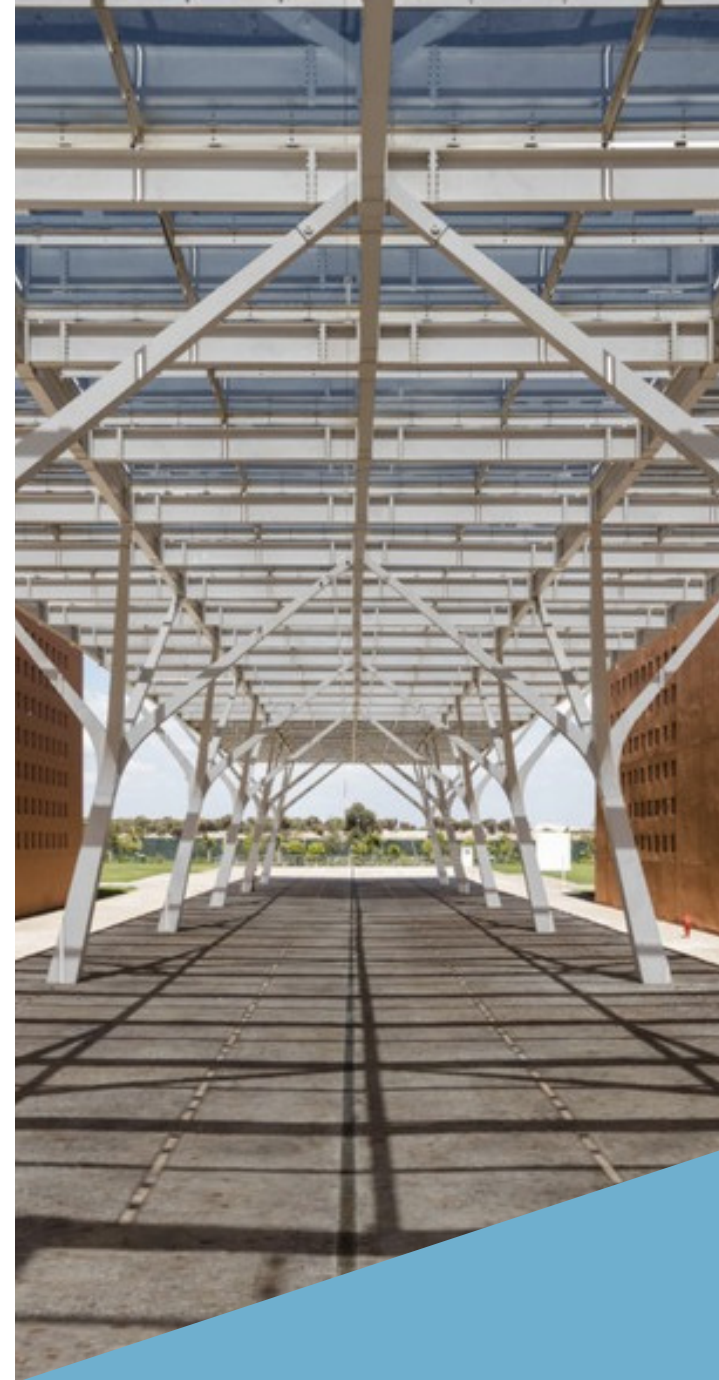**Venue:** UM6P Campus Ben Guérir

Fees: please contact us for this

information.

Eligible
applicants

This course is for process engineers, engineers in industrial automation and engineers in mathematical modelling . Participants must have the prerequisites following:

- Basics of programming & computer science.
- Basic concepts in chemistry & thermodynamics.

Contact-us

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