

# COURSE DETAIL

## COMPUTING TECHNOLOGIES FOR THE WEB

**Country**

Spain

**Host Institution**

Carlos III University of Madrid

**Program(s)**

Carlos III University of Madrid

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

106

**UCEAP Course Suffix**

E

**UCEAP Official Title**

COMPUTING TECHNOLOGIES FOR THE WEB

**UCEAP Transcript Title**

COMP TECH WEB

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

**Course Description**

This course discusses the development of distributed components, web programming, web design patterns, techniques for implementing asynchronous communication between servers, MVC architectures, and persistence engines. Contents are divided into the following three blocks: overview of the JEE specification, including the representative APIs of business applications based on this technology (JSP, Servlet, EJBs, JMS, JAX-RS, etc.); persistence of data in relational and non-relational bases; microservices, API management and quality control. Students are expected to have completed coursework in programming and object oriented programming (Java).

**Language(s) of Instruction**

English

**Host Institution Course Number**

15756

**Host Institution Course Title**

TECNOLOGÍAS INFORMÁTICAS PARA LA WEB

**Host Institution Campus**

Escuela Politécnica Superior. (Leganés)

**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Informática

[Print](#)