

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

3.30

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 Course Details

Host Institution Campus

Escuela Politécnica Superior. (Leganés)

Host Institution Faculty

Host Institution Degree

Host Institution Department

Informática

Course Last Reviewed

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