

## DTC-GITT-325 Developing Communication and Network Oriented Applications

**SEMESTER:** Spring

**CREDITS:** 6 ECTS (4 hrs. per week. 3h Theory + 1h Lab)

**LANGUAGE:** Spanish

**DEGREES:** 3º GITT

### Course overview

This course is for those who can already program in the Java SE platform. It introduces students to the web development and the HTTP protocol. So, web design notions, SEO techniques and web security concepts will be discussed in the course. In addition, this course introduces the Java Enterprise Edition platform as server-side programming language.

### Prerequisites

DTC-GITT-223 Object Oriented Programming or Java SE programming knowledge.

### Course contents

#### Theory:

1. JDBC Database Access.
2. Web Development: HTML, CSS and Javascript.
3. Java Web Applications Programming: Java EE.
4. Java EE Advanced Programming.
5. HTTP Protocol.
6. Search Engine Optimization (SEO).
7. Web Application Security.

#### Laboratory:

Each unit described previously has at least one associated lab practice.

### Textbook

- Eric Jendrock, Ian Evans. "The Java EE 6 Tutorial: Basic Concepts (4th Edition)". Java Series. 2010.

## Grading

- Final exam accounts for 60% of the final grade.
- Continues evaluation accounts for 10%.
- Final project accounts for 30%.