

COURSE DETAIL

PRINCIPLES OF SOFTWARE DEVELOPMENT

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

105

UCEAP Course Suffix**UCEAP Official Title**

PRINCIPLES OF SOFTWARE DEVELOPMENT

UCEAP Transcript Title

SOFTWARE DEVELOPMNT

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course discusses the software development process including software testing and issues with software quality. Other topics include: ethic and legal issues in the field of software engineering; agile software development techniques; test-driven development; refactoring and simple design.

*Previous coursework in Programming and Software Engineering are required. Texts: Beck, Ken. Extreme Programming Explained. Addison-Wesley. 2000 Beck, Ken, et al.. Test-Driven Development By Example. Three Rivers Institute. 2002 Craig S. Larman. Applying UML and Patterns. Pearson Education . 3er Edition, 2012 Fowler, Martin et al.. Refactoring: Improving the Design of Existing Code. Addison-Wesley. 1999 Lee Copeland. A Practitioner's Guide to Software Test Design. . Artech House Publishers .

Language(s) of Instruction

Spanish

Host Institution Course Number

15972

Host Institution Course Title

PRINCIPIOS DE DESARROLLO DE SOFTWARE

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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