



Course guide

205219 - IPOO - Introduction to Object-Oriented Programming

Last modified: 02/04/2024

Unit in charge: Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 723 - CS - Department of Computer Science.

Degree: BACHELOR'S DEGREE IN AUDIOVISUAL SYSTEMS ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN TEXTILE TECHNOLOGY AND DESIGN ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN AEROSPACE TECHNOLOGY ENGINEERING (Syllabus 2010). (Optional subject).
BACHELOR'S DEGREE IN AEROSPACE VEHICLE ENGINEERING (Syllabus 2010). (Optional subject).
BACHELOR'S DEGREE IN INDUSTRIAL DESIGN AND PRODUCT DEVELOPMENT ENGINEERING (Syllabus 2010). (Optional subject).
BACHELOR'S DEGREE IN INDUSTRIAL TECHNOLOGY ENGINEERING (Syllabus 2010). (Optional subject).

Academic year: 2024 **ECTS Credits:** 3.0 **Languages:** Catalan

LECTURER

Coordinating lecturer: MARIA JOSE LOPEZ LOPEZ - JORDI MARCO GOMEZ

Others:

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

Ver contenido en castellano

STUDY LOAD

Type	Hours	Percentage
Hours small group	30,0	40.00
Self study	45,0	60.00

Total learning time: 75 h



CONTENTS

Module 1: Classes and Objects

Description:

.

Related activities:

.

Full-or-part-time: 30h

Laboratory classes: 15h

Self study : 15h

Module 2: Inheritance and Polymorphism

Description:

.

Related activities:

.

Full-or-part-time: 45h

Laboratory classes: 15h

Self study : 30h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

- Sánchez Allende, Jesús [et al.]. Programación en Java 2 [on line]. Madrid: McGraw-Hill, 2005 [Consultation: 11/05/2022]. Available on: https://www-ingebook-com.recursos.biblioteca.upc.edu/ib/NPcd/IB_BooksVis?cod_primaria=1000187&codigo_libro=6431. ISBN 8448145917.

Complementary:

- Muñoz, C.; Niño, A.; Vizcaíno, A. Introducción a la programación con orientación a objetos. Madrid: Prentice Hall, 2002. ISBN 8420534404.