

## 205220 - POOA - Advanced Programming Oriented Towards Goals

Coordinating unit:	205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering		
Teaching unit:	723 - CS - Department of Computer Science		
Academic year:	2019		
Degree:	BACHELOR'S DEGREE IN AEROSPACE TECHNOLOGY ENGINEERING (Syllabus 2010). (Teaching unit Optional) BACHELOR'S DEGREE IN INDUSTRIAL TECHNOLOGY ENGINEERING (Syllabus 2010). (Teaching unit Optional) BACHELOR'S DEGREE IN AEROSPACE VEHICLE ENGINEERING (Syllabus 2010). (Teaching unit Optional) BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN AUDIOVISUAL SYSTEMS ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN TEXTILE TECHNOLOGY AND DESIGN ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN INDUSTRIAL DESIGN AND PRODUCT DEVELOPMENT ENGINEERING (Syllabus 2010). (Teaching unit Optional)		
ECTS credits:	3	Teaching languages:	Catalan

### Teaching staff

Coordinator: JORDI MARCO GOMEZ - MARIA JOSE LOPEZ LOPEZ

Others:

### Learning objectives of the subject

### Study load

Total learning time: 75h	Hours large group:	0h	0.00%
	Hours medium group:	0h	0.00%
	Hours small group:	30h	40.00%
	Guided activities:	0h	0.00%
	Self study:	45h	60.00%

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### Content

<p>Module 1: Visual programming</p>	<p>Learning time: 20h Laboratory classes: 10h Self study : 10h</p>
<p>Description: . Related activities: .</p>	
<p>Module 2: Data structures</p>	<p>Learning time: 55h Laboratory classes: 20h Self study : 35h</p>
<p>Description: .</p>	

### Bibliography

#### Basic:

Sánchez Allende, J. [et al.]. Programación en Java 2. Madrid: McGraw-Hill, 2005. ISBN 8448145917.

#### Complementary:

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