

Program	09TT- Engineering in Telecommunication Technologies and Services
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Course number and name	
Number	95000010
Name	Computer programming Programación
Semester	Y1-S2

Credits and contact hours	
ECTS Credits	6
Contact hours	60

Coordinator's name	Juan C. Dueñas
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Specific course information		
Description of course content		
Basic knowledge on computer programming using the Java language.		
List of topics to be covered		
Classes and objects. Atomic types and operations. Methods and sentences. Polymorphism and inheritance. Unit tests. Generic collections.		
Prerequisites or co-requisites		
Prerequisite: Foundations of Telematic Systems.		
Course category in the program		
<input checked="" type="checkbox"/> R (required)	<input type="checkbox"/> E (elective)	<input type="checkbox"/> SE (selective elective)

Specific goals for the course	
Specific outcomes of instruction	
RA28 – Knowledge of main elements of operating systems and structure of data bases. RA29 – Capacity to program using a computer programming language such as Java.	
Student outcomes addressed by the course	
CEB2, CG10, CG12, CG9.	

Bibliography and supplemental materials	
Programación en Java. J.S. Allende et al, 3ª ed, McGraw-Hill, 2009.	

Head First Java, K. Sierra, B. Bates, 2nd ed. O'Reilly 2008.

Teaching methodology

X_ lectures	X_ problem solving sessions	__ collaborative actions	X_ laboratory sessions
Other:			