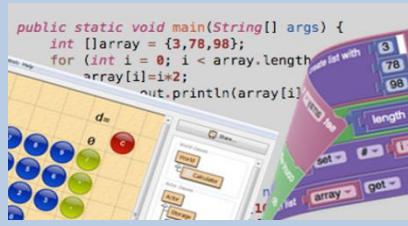




Universidad Carlos III de Madrid (UC3M)		IT.2b SYSTEMS PROGRAMMING		
Course description	The goal of this course is for the student to deepen their knowledge in programming techniques, including advanced object orientation, as well as some of the more fundamental data structures and algorithms. The programming language of the course is Java, although the acquired knowledge can be applied to other programming languages as well.			
Domain	Computer Science			
Keywords	Programming	Java	Object-oriented programming	Data structures
Prerequisites	Basic knowledge on programming (at least one course). Knowledge of the imperative part of Java desirable. Complementary materials will be provided to catch up.			
Level	Bachelor (1 st Year)			
Language	English (including English subtitles)			
Number of credits and workload	6 credits	4 hrs per week	60 hrs in total	
Semester period and Start date course	Semester 2	Start date: 28-Jan-18 Or indicate a period.		
Application deadline	15-Jan-19			
Full course description	The syllabus of this course is divided into six content modules: <ol style="list-style-type: none"> 1. Object-oriented programming 2. Testing 3. Recursion 4. Linear data structures (linked lists, stacks, queues) 5. Non-linear data structures (trees, binary search trees) 6. Searching and sorting algorithms 			
Platform and link to course description	Open edX	Add link to course on platform.		
Course description in study guide	https://aplicaciones.uc3m.es/cpa/generaFicha?est=252&asig=15370&idioma=2			
Lecturer(s)	Carlos Delgado Kloos & Carlos Alario			

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Extra Course information	The edX programme on Introduction to Java Programming by UC3M include additional materials: https://www.edx.org/es/professional-certificate/uc3mx-introduction-java-programming		
Picture of course			
Final examination date and time /period	31-May-19	2 hours UTC + or -	20 May-4 June 2019
Examination registration deadline or drop-out deadline	Examination registration before N/A No registration deadline needed. Drop- out deadline N/A No drop-out deadline needed.		
Type of examination	Written end-of-term-examination: 50 % of the grade. Written continuous assessment (assignments, laboratory, practices...): 50 % of the grade		
Midterm examination?	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	Additional information on midterm exam	
Previous exam papers available	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no		
Specific rules for examinations	Give details if particular rules apply like no use of calculator, watches etc		
Resit? and date	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Enter resit date. 17-28 June 2019	
Grade release and transcript release	Grade release date	Transcript release within 1 week after grade release	

Available Places	Total number of places	
	Interested	(Maximum) places per university (either 5 per institution or maximum 30 in total)
UPMC	<input checked="" type="checkbox"/> yes	5
UC LOuvain	<input checked="" type="checkbox"/> yes	5

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EPFL	<input checked="" type="checkbox"/> yes	5
UC3M	<input type="checkbox"/> yes	N/A
Leiden	<input checked="" type="checkbox"/> yes	5
Wageningen	<input checked="" type="checkbox"/> yes	5
TU Delft	<input checked="" type="checkbox"/> yes	5
	<input type="checkbox"/> yes	Click or tap here to enter number
	<input type="checkbox"/> yes	Click or tap here to enter number

General information		Universidad Carlos III de Madrid (UC3M)
Date start academic year:	3-Sep-18	
Semester periods:	<p>1st from 3-Sep-18 to 27-Jan-19 Exam date: 8-23 January 2019 / Exam resit: 17-28 June 2019</p> <p>2nd from 28-Jan-19 to 19-May-19 Exam: 20 May-4 June 2019 / Exam resit: TBD 17-28 June 2019</p>	
Application deadline semester 1:	10-Sep-18 or enter text	
Application deadline semester 2:	15-Jan-19 or enter text	
Holiday periods:	<p>Christmas: 24 Dec 18-7 Jan 19</p> <p>Easter: 15-22 Apr 19</p> <p>Summer: 1 Jul-2 Sep 19</p>	
Student data required for application:	<p>Last Name, First Name</p> <p>Gender</p> <p>Personal ID (Passport, National ID...)</p> <p>Birth Date</p> <p>Personal address</p> <p>Email address (that of home institution)</p> <p>Programme title</p> <p>Programme year</p>	
General web site	https://www.uc3m.es/Inicio	

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Virtual Exchange web site	https://www.uc3m.es/ss/Satellite/UC3MDigital/es/TextoMixta/1371226560608/European_Virtual_Ex
Virtual Exchange contact person(s) operational	Raúl Aguilera Goyo Celada Rosa Sánchez
Virtual Exchange Email address	eve@listserv.uc3m.es
List of courses available per semester	Variable