



Universidad Carlos III de Madrid (UC3M)		IM.1b INTRODUCTION TO MANAGEMENT INFORMATION SYSTEMS (MIS)		
Course description	The goal of this course is to understand Management Information Systems (MIS) and their major trends, and to be familiar with their impact on workplaces and business strategies			
Domain	Business			
Keywords	Management Information Systems	Software and applications	keyword	keyword
Prerequisites	Basic user-level computer literacy. Business awareness is recommended.			
Level	Master (1 st Year)			
Language	English (including English subtitles)			
Number of credits and workload	3 credits	8 hrs per section + 20 hours preparation of final exam (including additional study material)/assignments	68 hrs in total	
Semester period and Start date course	Semester 2	Start date: 28-Jan-19 Or indicate a period.		
Application deadline	15-Jan-19 15-Jan-19			
Full course description	<p>Section 1: MISs. Importance. Procurement We will examine how modern information and communication technologies (ICTs) are transforming our world, and analyze what Management Information Systems (MISs) are and how do they fit within the overall ICTs environment. We shall then discuss how companies obtain their MISs, by either purchasing ready-made packages or by bespoke development, and explore the alternative offered by open systems.</p> <p>Section 2: The Communications revolution – Distributed Information Systems We will discuss how the trend towards globalization and continuous connectivity drives the need for distributed MISs supported by Telecommunication Networks. We will explore the various types of networks and distributed MISs architectures.</p> <p>Section 3: Data, Databases, Big Data Data is the raw material upon which information is built. We will discuss the role played by data (and, particularly, data structure) in MISs, and analyze the Database</p>			

	<p>Management Systems used to manage data. We shall then explore the fast-evolving landscape of Big Data.</p> <p>Section 4: Integrated Information Systems (ERP) and Integrated Business Processes Integrated Information Systems are the “top predators” at the apex of the MIS world. We will introduce participants to the concept of Enterprise Resource Planning (ERP) systems, and their relationship with Integrated Business Processes.</p> <p>Section 5: Implementing and customizing ERPs and other major MISs. Who adapts to whom? Implementing an ERP is a major project. It generally requires either modifying current business practices (through Business Process Reengineering) or customizing the ERP system. We shall discuss the challenges this implies.</p> <p>Section 6: MISs in decision-making In this last week we will turn our attention from the day-to-day operation of the business to the role played by MISs in information-driven decision-making. After discussing Decision Support Systems (DSSs) and the analytics used in Big Data environments, we shall conclude with a word about the future and a heartfelt farewell.</p>		
Platform and link to course description	Open edX. There is a preview as a MOOC	https://www.edx.org/es/course/introduction-management-information-uc3mx-im-1x-0	
Course description in study guide	https://aplicaciones.uc3m.es/cpa/generaFicha?est=226&asig=14278&idioma=2		
Lecturer(s)	Alfonso Durán Heras		
Extra Course information	Information relevant for selection process or for students		
Picture of course			
Final examination date and time /period	31-May-19	Examination time UTC + or -	Exam: 20 May-4 June 2019

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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: 60% of the grade. Written continuous assessment (SPOC continuous evaluation, assignments...): 40 % of the grade	
Midterm examination?	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	Additional information on midterm exam
Previous exam papers available	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
Specific rules for examinations	No calculators (or any device with storage or transmission capabilities)	
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
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)**

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

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List of courses available per semester	Variable
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