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University of Alcalá

Online Courses Catalogue

2020-2021

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"Computer-Assisted Instruction"

Course Title (Code)	Computer-Assisted Instruction (200406)
Professor / e-mail	Cristina Tejedor Martínez: cristina.tejedorm@uah.es Soraya García Esteban: Soraya.garciae@uah.es
Credits ECTS	4
Semester	First (September-February)
Department / Centre	Modern Philology. Education.
Degree / Area of studies	Master's Degree in Teaching English As a Foreign Language Teaching English As a Foreign Language
Link to Teaching Guide	https://www.uah.es/en/estudios/estudios-oficiales/grados/asignatura/Computer-assisted-Instruction-200406/
Minimum requirements	English language B2
Keywords	Integrating ICT in the Classroom, Educational Technology and Learning Theories
Description	This course intends to explore current teaching theory and to examine ICT tools, activities and methods related to English as a Second Language teaching. Participants are expected to become familiar with some computer and online applications which they can incorporate into their own teaching

"English for Tourism Business"

Course Title /Code	English for Tourism Business (680038)
Credits ECTS	2 credits
Semester	First
Department / Centre	Faculty of Economics, Business and Tourism
Degree / Area of studies	Degree in Tourism and Business Administration & Management
Professor / e-mail	Soraya García Esteban: Soraya.garciae@uah.es Cristina Tejedor Martínez: cristina.tejedorm@uah.es
Link to Teaching Guide	https://www.uah.es/en/estudios/estudios-oficiales/grados/asignatura/English-For-Touristic-Business-680038/
Minimum requirements	English language B2 CEFR
Keywords	Tourism / Business English, English for specific purposes, ESOL
Description	This course has as its main objective the study of English for tourism business. Any professional in the tourism field should have a good command of the English language. Thus, this course is aimed, on the one hand, at the acquisition of skills in communicating in English and understanding written and oral texts; and, on the other hand, at the acquisition of vocabulary related to the tourism business field. Likewise, students will review the main grammatical aspects of the English language and the most useful communicative functions in the field of tourism business.

"International trade"

Course Title (Code)	
International Trade and Globalization 361013	
Professor / e-mail	Mercedes Burguillo Cuesta Mercedes.burguillo@uah.es
Credits ECTS	4
Semester	2
Department / Centre	Economics
Degree / Area of studies	International Economics and Business
Link to Teaching Guide	https://www.uah.es/es/estudios/estudios-oficiales/grados/asignatura/Comercio-Internacional-y-Globalizacion-II-361013
Minimum requirements	English language B2
Keywords	International Trade, Trade Policy , Globalization
Description	This Course is focused on international trade policies and its consequences in Globalization. Understanding of international trade is an essential component of the training of an economist and provides the tools and the skills needed to understand and analyse the international business and economic environment. Besides the theoretical focus of the course and its emphasis on analytical techniques and tools, the course content is motivated with real and relevant problem. The discussion of case studies gives students the opportunity to test the usefulness and relevance of the concepts and the theoretical models.

"Econometrics"

Professors: José María Arranz: josem.arranz@uah.es

Course Title (Code)	Econometrics
Professor / e-mail	José María Arranz Muñoz / josem.arranz@uah.es
Credits ECTS	4
Semester	2
Department / Centre	Economics /Faculty of Economics, Business and Tourism
Degree / Area of studies	Economics; Business; International Economics/ Applied Economics and Business
Link to Teaching Guide	https://www.uah.es/es/estudios/estudios-oficiales/grados/asignatura/Econometria-II-360020

Minimum requirements	English language B2
Keywords	Quantitative techniques, regression models, choice models (logit and probit models).
Description	<p>Econometrics is a discipline that deals with the empirical analysis of economic (or business) relationships, helping to validate or reject of the contribution of economic or business theories, offering appropriate statistic instruments for the comparison of theoretical hypothesis and finally, specifying models which pose good predictions.</p> <p>To achieve this, econometrics entails theory and data with the purpose of quantifying and explaining the economic (business or international economics) relationships, using tools provided by statistics and mathematics.</p> <p>This subject of Econometrics offers quantitative techniques about “Analysis of multiple regression models (estimation, inference and predictions)”; “Dummy variables and further issues” ; Limited dependent models (logit and probit models)”.We will use quantitative software such as Stata or Eviews.</p>

"Introduction to teletraffic engineering"

Professors:

Jose Manuel Giménez Guzmán, josem.gimenez@uah.es

Elisa Rojas Sánchez: elisa.rojas@uah.es

Course Title (Code)	
Professor / e-mail	Elisa Rojas Sánchez: elisa.rojas@uah.es Jose Manuel Giménez Guzmán: josem.gimenez@uah.es
Credits ECTS	3
Semester	2nd / Spring
Department / Centre	Automatics / Engineering (EPS)
Degree / Area of studies	Telecommunication engineering
Link to Teaching Guide	https://www.uah.es/es/estudios/estudios-oficiales/grados/asignatura/Redes-de-Comunicaciones-350023/ (Spanish)
Minimum requirements	English language B2 Some prior knowledge about computer networks
Keywords	Teletraffic, Computer networks, Queueing theory (maths)
Description	This course will help the students understand the basics of traffic theory (queues and teletraffic) focused on its application in computer networks, but generally applicable to many fields where a queue is involved. From a Maths perspective, we will work with the queues of type M/M/1, M/M/1/N, M/M/N, M/M/N/N and M/M/N/N/p.

"Transmission lines"

Rocío Sánchez Montero, rocio.sanchez@uah.es

Pablo L. López Espí, pablo.lopez@uah.es

Course Title (Code)	
Professor / e-mail	Rocío Sánchez Montero: rocio.sanchez@uah.es Pablo Luis López Espí: pablo.lopez@uah.es
Credits ECTS	3
Semester	First
Department / Centre	Signal theory and communications/ Polytechnics School
Degree / Area of studies	Telecommunication engineering
Link to Teaching Guide	https://www.uah.es/export/shared/es/estudios/estudios-oficiales/grados/.galleries/Programs-En/350022_G350_2019-20_en.pdf (Transmission lines course contents are focused on the first part of this teaching guide)
Minimum requirements	English language B2 Some basic knowledge about physics and electromagnetics
Keywords	Transmission lines, waveguides, coaxial lines, microstrip, Smith Chart.
Description	This course is focused on the study of the propagation of waves in a transmission line. Several practical lines are further analysed as well as their main transmission properties. Some different practical exercises are proposed using an electromagnetic simulator.

"Software Testing"

Professors:

Luis Fernández Sanz, profesor: luis.fernandez.sanz@uah.es

Ana Castillo Martínez, profesor: ana.castillo@uah.es

Course Title (Code)	
Professor / e-mail	Luis Fernández-Sanz (luis.fernandez.sanz@uah.es), Ana Castillo Martínez (ana.castillo@uah.es)
Credits ECTS	3
Semester	2nd / Spring
Department / Centre	Computer Science / Computing-Polytechnic School (EPS)
Degree / Area of studies	Informatics Engineering / Computer Engineering / InformationSystems Engineering
Link to Teaching Guide	https://www.uah.es/export/sites/uah/es/estudios/estudios-oficiales/grados/.galleries/Programas/G781/780043_G781_2019-20.pdf (partial match)

Minimum requirements	English language B2 Prior knowledge/experience on software development/programming
Keywords	Software quality, software testing, software development
Description	The main goal of the course is training students in the foundations and basic skills of software quality assurance through software testing. The course starts with an introductory section with definitions of basic aspects and philosophy of testing, a core section focused on design of test cases with black-box and white box approaches and a final part on the tools which support testing and make it easier and efficient.

"BEAT (Biomedical Engineering and Assistive Technologies)"

Rafael Barea Navarro
Sira E. Palazuelos Cagigas
Marta Marrón Romera
Juan C. García García
José L. Martín Sánchez
Luciano Boquete Vázquez

Course Title (Code)	
Professor / e-mail	Rafael Barea Navarro: rafael.barea@uah.es Sira E. Palazuelos Cagigas: sira.palazuelos@uah.es Marta Marrón Romera: marta.marron@uah.es Juan C. García García: jcarlos.garcia@uah.es José L. Martín Sánchez: joseluis.martin@uah.es Luciano Boquete Vázquez: luciano.boquete@uah.es
Credits ECTS	3
Semester	1 st / Winter
Department / Centre	Electronics / Politechnic School
Degree / Area of studies	Telecommunication engineering
Link to Teaching Guide	
Minimum requirements	English language B2 Basic knowledge of mathematics, physics and chemistry.
Keywords	Electrophysiology, sensory systems, sensory disabilities, physical disabilities, communication disabilities, intellectual disabilities.
Description	The main goal of the course is to present basic concepts of electrophysiology, the main types of disabilities in humans (sensory, physical, communication and intellectual) and possible technological solutions to minimize their impact.