

Courses taught in English. Academic year 2016/17 Master Degrees

Course code	Course title	Year	ECTS Credits	Semester
Faculty of Philology and Translation				
Inter-university Master in "Advanced English Studies and its Applications"				
1st Term: Obligatory modules				
V01M121V01101	Research Methods in English Language and Linguistics	1	3	1
V01M121V01102	Research Methods in English Literary and Cultural Studies	1	3	1
V01M121V01103	English Studies and Mass Media	1	3	1
V01M121V01104	Society and Literary Discourse in English	1	3	1
V01M121V01105	English for Specific Purposes	1	3	1
V01M121V01106	Transcultural Perspectives in English-Speaking Countries	1	3	1
V01M121V01107	Linguistic Models: Formal, Functional, Cognitive	1	3	1
V01M121V01108	Models of Literary and Cultural Interpretation in English-Speaking Countries	1	3	1
1st Term: Obligatory modules				
V01M121V01201	Variation and Change in English	1	3	1
V01M121V01202	English Corpus Linguistics	1	3	1
V01M121V01203	Language and Cognition	1	3	1
V01M121V01204	English Contrastive Linguistics	1	3	1
V01M121V01205	English Pragmatics and Discourse Analysis	1	3	1
V01M121V01206	English Language Teaching and Acquisition	1	3	1
2nd Term: Specialisation in Literature and Culture				
V01M121V01207	Literature and Cultural Diversity in English-Speaking Countries	1	3	2
V01M121V01208	Literary and Cultural movements in English-Speaking Countries	1	3	2
V01M121V01209	Literature and Gender Perspectives in English-Speaking Countries	1	3	2
V01M121V01210	Literary and Artistic Manifestations in English-Speaking Countries	1	3	2
V01M121V01211	Literary Genders and Modes in English	1	3	2
V01M121V01212	Textual and Cultural Negotiations in English-Speaking Countries	1	3	2
2nd Term: Obligatory modules				
V01M121V01213	Practicum	1	6	2
V01M121V01214	Master Dissertation	1	12	2
School of Telecommunication Engineering				
Master Program in Telecommunication Engineering				
V05-M145204	Advanced Digital Communications	1	5	2
V05-M145205	Signal Processing in Audio-visual Systems	1	5	2
V05-M145206	Multimedia Communications	1	5	2
V05-M145207	Optical Communications	1	5	2
V05-M145208	Antennas	1	5	2
V05-M145209	Radio Laboratory	1	5	2
V05-M145301	Real-Time Signal Processing	2	5	1
V05-M145302	Communication Advanced Systems	2	5	1
V05-M145303	Statistical Signal Processing	2	5	1
V05-M145311	Satellites	2	5	1
V05-M145312	Wideband Radio Systems	2	5	1
V05-M145313	Wireless and Mobile Communications	2	5	1
V05-M145317	Microwave and Millimetre Wave Circuit Design and CAD	2	5	1
V05-M145310	Development of Mobile Applications	2	5	1
V05-M145318	Multimedia security	2	5	1
V05-M145401	The Final Master Degree Work (Master Thesis)	2	30	2

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Faculty of Chemistry				
Master in Theoretical Chemistry and Computational Modelling				
V11-M131101	European Language	1	5	annual
V11-M131102	Mathematical Foundations of Quantum Mechanics	1	5	annual
V11-M131103	Statistical Mechanics and Simulation Applications	1	5	annual
V11-M131104	Symmetry in Atoms, Molecules and Solids	1	5	annual
V11-M131105	Computational Techniques and Numerical Analysis	1	5	annual
V11-M131106	Methods in Theoretical Chemistry I	1	5	annual
V11-M131107	Methods in Theoretical Chemistry II	1	5	annual
V11-M131108	The Theoretical Chemistry Methods in Depth	1	5	annual
V11-M131109	Dynamics of Chemical Reactions	1	5	annual
V11-M131110	Excited States	1	5	annual
V11-M131111	Solids	1	5	annual
V11-M131112	Linux and Linux systems Management	1	5	annual
V11-M131113	Laboratory in Applied Theoretical Chemistry	1	5	annual
V11-M131114	Lasers	1	5	annual
V11-M131115	Computational Biochemistry	1	5	annual
V11-M131301	Advanced Electronic Structure and Condensed Matter Theory	2	9	annual
V11-M131302	Advanced Computational Techniques	2	6	annual
V11-M131303	Chemical Molecular Dynamics and Computer Modelling Simulation	2	9	annual
V11-M131304	Applications	2	6	annual
Master in Chemical Research and Industrial Chemistry				
V11-M147102	Advanced Training Physical Chemistry	1	3	annual
V11-M147104	Advanced Training Organic Chemistry	1	3	annual
V11-M147105	Advanced Training Structural Analysis	1	3	annual
V11-M147106	Molecular Simulation	1	3	annual
V11-M147107	Supramolecular Chemistry	1	3	annual
V11-M147108	Fluorescence Spectroscopy and Photochemistry	1	3	annual
V11-M147112	Stereo selective Synthesis	1	3	annual
V11-M147113	Synthetic Techniques and Products	1	3	annual
V11-M147136	Natural Product Chemistry	1	3	annual
V11-M147117	Design and development of Advanced Materials	1	3	annual
V11-M147118	Techniques for Preparation and Characterization of Materials	1	3	annual
V11-M147119	Material Properties	1	3	annual
V11-M147120	Molecular Materials	1	3	annual
V11-M147121	Atomic Advanced Techniques and Sensors	1	3	annual
V11-M147122	Sample Preparation Techniques	1	3	annual
V11-M147133	Master seminars	1	3	annual
V11-M147135	Thesis Master	1	18	annual
School of Industrial Engineering				
Master's Degree in Industrial Engineering				
M141114	Calculation of Machines	1	3,0	1
M141222	Project Management in Engineering	1	3,0	2
M141104	Physics Extended	1	6,0	1
M141215	Industrial Installations and Innovation	1	6,0	2
M141218	Design of Industrial Electronic Systems	1	4,5	2
M141115	Thermal Technology I	2	3,0	1
M141205	Thermal Technology II	2	3,0	2
M141339	Laser Technology Applied to Industrial Production	2	4,5	1
M141314	Industrial Design	2	6,0	1
M141316	Aided Design for Machinery	2	6,0	1
M141341	Heat Engines	2	4,5	1
M141337	Industrial Installations and Innovation	2	6,0	1
M141318	Project Management in Engineering	2	3,0	2

Course code	Course title	Year	ECTS Credits	Semester
Afundación Business School				
Master in Business Administration				
V55M075V01205	Globalization and intercultural management	1	1	2
V55M075V01202	International Commerce	1	2	2
V55M075V01202	Internationalization Process	1	1	2