



LIST OF COURSES TAUGHT IN ENGLISH - A.Y. 2020/2021

	Degree Programme (B, M, M5)*	Course unit code	Course unit title	Teacher's name	N. hours	Number of ECTS	Year	Semester
FACULTY OF ECONOMICS, LAW AND POLITICAL SCIENCES								
1.	Business and Economics (B)	EC/0087	Macroeconomics	MATTA STEFANO	54	9	2	1
2.	Business and Economics (B)	EC/0088	International accounting	MURA ALESSANDRO	54	9	2	1
3.	Business and Economics (B)	EC/0090	International law and labour relation	LOI PIERA	36	6	2	2
4.	Business and Economics (B)	EC/0091	Management	MARKU ELONA	54	9	2	2
5.	Management (M)	13105	Corporate governance	MELIS ANDREA	54	9	1	2
6.	Management (M)	EC/0007	Comparative corporate law	SCANO DIONIGI	36	6	1	1
7.	Management (M)	EC/0008	Public Management	SPANO ALESSANDRO	36	6	1	1
8.	Management (M)	EC/0083	Advanced corporate finance	PIRAS LUCA	36	6	1	1
9.	Management (M)	EC/0006	Innovation management	CASTRIOTTA MANUEL	54	9	1	2
10.	Management (M)	EC/0084	Business communication	CABONI FEDERICA	54	9	1	2
11.	Management (M)	EC/0012	Quantitative methods for management	ROMANO MAURIZIO	54	9	2	1
12.	Management (M)	EC/0011	International economics	PIGLIARU FRANCESCO	36	6	2	2



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13.	Management (M)	EC/0085	Applied economics	USAI STEFANO	54	9	2	1
14.	Management (M)	9603	English (strengthening B2 Level)	MAMUSA ELEONORA	18	3	2	1
15.	Management (M)	4932	International Marketing	CABIDDU FRANCESCA	36	6	2	2
16.	Management (M)	EC/0086	International financial reporting	MURA ALESSANDRO	36	6	2	2
17.	Sustainable Tourism Management and Monitoring (M)	EC/0052	International Standards and Tourism Indicators Monitoring	MODICA PATRIZIA	54	9	2	1
18.	Sustainable Tourism Management and Monitoring (M)	EC/0053	Spatial Tourism Data Analysis	CANNAS MASSIMO	36	6	2	1
19.	Sustainable Tourism Management and Monitoring (M)	EC/0054	International Environmental Law and Policy	AMOROSO DANIELE	36	6	2	2
20.	International Relations (M)	SP/0071	Economics of globalization*	PINNA ANNA MARIA	36	6	1	2
21.	International Relations (M)	2/61/067	European Integration	ROSSI CHRISTIAN	54	9	2	1
22.	International Relations (M)	SP/0043	Law of international organization	BIAGIONI GIACOMO	36	6	2	1
23.	International Relations (M)	SP/0044	Contemporary Africa	SOI ISABELLA	36	6	2	1
24.	International Relations (M)	SP/0014	Contemporary China	ONNIS BARBARA	36	6	2	2
25.	International Relations (M)	SP/0073	International politics of Asia	ONNIS BARBARA	36	6	2	2



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26.	Economics, Finance and Public Policy (M)	EC/0072	Policy evaluation	DI LIBERTO ADRIANA	36	6	2	1
27.	Economics, Finance and Public Policy (M)	EC/0073	Economics and geography of innovation	PACI RAFFAELE , CERINA FABIO	72	12	2	1
28.	Economics, Finance and Public Policy (M)	EC/0070	Risk management and value in banking	DE LISA RICCARDO	36	6	2	1
29.	Economics, Finance and Public Policy (M)	EC/0068	Statistical models for portfolio asset allocation	CONVERSANO CLAUDIO	36	6	2	1
30.	Economics, Finance and Public Policy (M)	EC/0071	Financial derivatives and risk management	MRELLA VINCENZO	36	6	2	2
31.	Economics, Finance and Public Policy (M)	EC/0069	Corporate finance	CERINA FABIO	36	6	2	1
32.	Law (M5)	GI/0010	Transport law	PIRAS MASSIMILIANO	48	6	4	2
FACULTY OF BIOLOGY AND PHARMACY								
33.	Pharmaceutical Chemistry and Technology(M)	FA/0210/EN	Pharmacotherapy	MORELLI Micaela	64	8	5	1
34.	Pharmaceutical Chemistry and Technology(M)	FA/0226/EN	Experimental Pharmacology	SIMOLA Nicola	76	8	4	2
35.	Pharmacy (M)	FA/0215/EN	Pharmacotherapy 1	MORELLI Micaela	64	8	5	1
36.	Neuropsychobiology (M)	FA/0172/EN	Experimental Model of Animal Behaviour	DAZZI Laura	36	3	2	2
FACULTY OF ENGINEERING AND ARCHITECTURE								
37.	Chemical and Biotechnological Process Engineering (M)	IN/0240/EN	Process modeling and simulation	BARATTI Roberto GROSSO Massimiliano	90	9	2	1

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38.	Chemical and Biotechnological Process Engineering (M)	IN/0241/EN	Advanced systems of process control	TRONCI Stefania GROSSO Massimiliano	90	9	2	2
39.	Electronic Engineering (M)	IA/0125/EN	Advanced embedded systems	MELONI Paolo	80	8	2	1
40.	Electronic Engineering (M)	IA/0205/EN	Artificial intelligence	FUMERA Giorgio	60	6	2	1
41.	Electronic Engineering (M)	IA/0152/EN	Biosensors and bioelectronics	LAI Stefano	60	6	2	2
42.	Electronic Engineering (M)	IA/0146/EN	Mixed-signal circuits and systems	BARBARO Massimo	60	6	2	2
43.	Electronic Engineering (M)	IA/0154/EN	Nanoelectronics	FILIPPETTI Alessio	50	5	1-2	1
44.	Electronic Engineering (M)	IA/0148/EN	Cyber-physical system architectures	BODANO Emanuele MORELLI Andrea SOLINAS Antonio	50	5	2	2
45.	Electronic Engineering (M)	IA/0153/EN	Data acquisition technologies	PEGORARO Paolo Attilio	60	6	2	1
46.	Electronic Engineering (M)	IA/0020/EN	Internet of things	Michele Nitti	60	6	2	1
47.	Electronic Engineering (M)	IA/0150/EN	Microwave systems for remote sensing	MONTISCI Giorgio	70	7	2	2
48.	Electronic Engineering (M)	IA/0151/EN	Wearable and flexible electronics	COSSEDDU Piero	70	7	2	1
49.	Electronic Engineering (M)	IA/0147/EN	Analysis and control of cyber-physical systems	GIUA Alessandro	60	6	2	2



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50.	Electronic Engineering (M)	IA/0123/EN	Operating systems	GIACINTO Giorgio	70	7	1-2	1
51.	Electronic Engineering (M)	IA/0149/EN	Optoelectronics, diagnostics and aerospace applications	VANZI Massimo MURA Giovanna	70	7	2	1
52.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0205/EN	Module: Artificial intelligence (Integrated course: Intelligent systems)	FUMERA Giorgio	60	6	1	1
53.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0116/EN	Cybersecurity technologies and Risk Management	GIACINTO Giorgio FUMERA Giorgio	100	10	1	2
54.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	A/0113/EN	Industrial software development	BIGGIO Battista. DIDACI Luca	80	8	1	1
55.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0115/EN	Supervisory control and monitoring	SEATZU Carla USAI Elio	90	9	1	1
56.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0117/EN	Fault diagnosis and estimation in dynamical systems	FRANCESCHELLI Mauro	50	5	1	2
57.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0013/EN	Module: Machine learning (Integrated course: Intelligent systems)	ROLI Fabio	60	6	1	2
58.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0120/EN	Module: Critical infrastructures for innovative power distribution (Integrated course: Smart Grid and critical infrastructures)	PILO Fabrizio	20	2	1	2
59.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0119/EN	Module: Industrial informatics for energy storage systems (Integrated course:	DAMIANO Alfonso	20	2	1	2



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			Smart Grid and critical infrastructures)					
60.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0121/EN	Module: Measurements and cyber security for Smart Grid (Integrated course: Smart Grid and critical infrastructures)	PEGORARO Paolo Attilio	20	2	1	2
61.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0123/EN	Operating systems	GIACINTO Giorgio	70	7	1	1
62.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0139/EN	Data driven models for system engineering	MONTISCI Augusto	60	6	1	2
63.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0125/EN	Module: Advanced embedded systems (Integrated Course: Embedded Systems)	MELONI Paolo	80	8	2	1
64.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0020/EN	Module: Internet of things (Integrated Course: Embedded Systems)	Michele Nitti	60	6	2	1
65.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0131/EN	Biometric technologies and behavioural security	MARCIALIS Gian Luca	50	5	2	2
66.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0129/EN	Module: Computer forensics techniques (Integrated Course: Computer Forensic)	MAIORCA Davide	50	5	2	2
67.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0130/EN	Module: Computer law (Integrated Course: Computer Forensic)	FARINA Massimo	50	5	2	2



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68.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0134/EN	Stochastic models	PILLONI Alessandro	50	5	2	2
69.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0127/EN	Web security and malware analysis	MAIORCA Davide	60	6	2	1-2
70.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0140/EN	Networked control systems and security	FRANCESCHELLI Mauro	50	5	2	2
71.	Computer Engineering, Cybersecurity and Artificial Intelligence (M)	IA/0122/EN	Physical-layer techniques for Wireless communication security	MAZZARELLA Giuseppe	60	6	2	1
72.	Electrical Engineering (M)	IA/0139/EN	Module: Data driven models for system engineering	MONTISCI Augusto	60	6	2	2
73.	Internet Engineering (M)	IA/0123/EN	Module: Operating Systems (Integrated course: Operating Systems and Law)	GIACINTO Giorgio	70	7	1	1
74.	Internet Engineering (M)	IA/0116/EN	Cybersecurity Technologies and Risk Management	GIACINTO Giorgio FUMERA Giorgio	100	10	1	2
75.	Internet Engineering (M)	IA/0134/EN	Stochastic models	PILLONI Alessandro	50	5	1	2
76.	Internet Engineering (M)	IA/0020/EN	Internet of things	Michele Nitti	60	6	2	1
77.	Internet Engineering (M)	IA/0125/EN	Advanced embedded systems	MELONI Paolo	80	8	2	1
78.	Environmental and Land Engineering (M)	IN/0242/EN	Module: Strategic planning (Integrated Course: Strategic	LAI Sabrina	60	6	2	1



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			Environmental Planning)					
79.	Environmental and Land Engineering (M)	IN/0244/EN	Solid waste management	MUNTONI Aldo	90	9	2	1
80.	Environmental and Land Engineering (M)	IN/0243/EN	Geochemical characterization	VALERA Paolo	60	6	2	1
81.	Environmental and Land Engineering (M)	IN/0245/EN	Module: Control and treatment of atmospheric emissions (Integrated Course: Treatment of Fluids and Waste Gases)	CAPPAI Giovanna	60	6	2	2
82.	Environmental and Land Engineering (M)	IA/0155/EN	Wastewater Treatment Plants	CARUCCI Alessandra CAPPAI Giovanna Salvatorica	90	9	2	1
FACULTY OF SCIENCES								
83.	Computer Science (M)	SM/0096/EN	Geometric Algorithms and Spatial Data Structures	SCATENI Riccardo	72	9	1	1
84.	Computer Science (M)	SM/0164/EN	Artificial Intelligence: Natural Language Processing	ATZORI Maurizio	48	6	1	2
85.	Computer Science (M)	SM/0121/EN	Network Flows Optimization	DI FRANCESCO Massimo	48	6	2	1
86.	Computer Science (M)	SM/0171/EN	Decision Science	DI FRANCESCO Massimo GORGONE Enrico	72	9	1	2
87.	Computer Science (M)	SM/0124/EN	Big Data	REFORGIATO RECUPERO Diego	48	6	2	1



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88.	Physics (M)	SM/0046/EN	Gauge Theories	D'APPOLLONIO Giuseppe	48	6	2	1
89.	Physics (M)	SM/0172/EN	Optoelectronics	BONGIOVANNI Giovanni	48	6	2	1
90.	Physics (M)	SM/0048/EN	Biophysics	CECCARELLI Matteo	48	6	2	1
91.	Physics (M)	60/68/3/EN	Astrophysics	RIGGIO Alessandro	48	6	1	2
92.	Physics (M)	SM/0179/EN	Molecular Modelling of Biological Systems	VARGIU Attilio Vittorio	48	6	2	2
93.	Physics (M)	SM/0163/EN	Deep Learning and Applications	PUGLISI Giovanni REFORGIATO RECUPERO Diego	48	6	2	1
94.	Physics (M)	SM/0180/EN	Quantum Optics	SIMBULA Angelica	48	6	1	2
95.	Physics (M)	SM/0099/EN	User Interface Technologies	SPANNO Lucio Davide	60	6	1	2
FACULTY OF HUMANITIES								
96.	Languages and Cultures for Linguistic Mediation (B)	32/19/041	English Language Translation 1	DENTI Olga (<i>even</i>)	54	9	2	2
97.	Languages and Cultures for Linguistic Mediation (B)	32/19/041	English Language Translation 1	FOIS Eleonora (<i>odd</i>)	54	9	2	2
98.	Languages and Communication (B)	LS/0091	English Language and Communication Skills	FODDE LUISANNA	30	6	3	2
99.	Languages and Communication (B)	LS/0095	Comparative Analysis of Democratization	VENTURINO Fulvio	30	6	3	1



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100.	Modern European and American Languages and Literatures (M)	LS/0117	History and Institutions of the United States of America	BALDASSARRI Elena	30	6	1	2
101.	Modern European and American Languages and Literatures (M)	32/15/037	Anglo-American Language and Literatures	IULIANO Fiorenzo	60	12	2	2
102.	Texts Translation(M)	32/16/037	Anglo-American Language and Literatures	IULIANO Fiorenzo	30	6	2	2
103.	Languages and Cultures for Linguistic Mediation	32/19/037	Anglo-American Language and Literatures	IULIANO Fiorenzo	60 o 30	12 o 6	2	2
104.	Texts Translation(M)	32/16/042	English Language Translation 3	GIORDANO Michela	45	9	2	1

*B, Bachelor (1st cycle); M, Master (2nd cycle); M5, 5-year single cycle Master