### UNIVERSITY OF CAGLIARI

**LIST OF COURSES TAUGHT IN ENGLISH - A.Y. 2021/2022**

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

<table>
<thead>
<tr>
<th>Degree Programme (B, M, M5)*</th>
<th>Course unit code</th>
<th>Course unit title</th>
<th>Teacher's name</th>
<th>N. hours</th>
<th>Number of ECTS</th>
<th>Year</th>
<th>Semester</th>
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<tbody>
<tr>
<td><strong>FACULTY OF ECONOMICS, LAW AND POLITICAL SCIENCES</strong></td>
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<td>1. Business and Economics (B)</td>
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<td>Macroeconomics</td>
<td>MATTA Stefano</td>
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<td>2. Business and Economics (B)</td>
<td>EC/0088</td>
<td>International accounting</td>
<td>MURA Alessandro</td>
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<td>EC/0090</td>
<td>International law and labour relation</td>
<td>LOI Piera</td>
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<td>4. Business and Economics (B)</td>
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<td>5. Management (M)</td>
<td>13105</td>
<td>Corporate governance</td>
<td>MELIS Andrea</td>
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<td>6. Management (M)</td>
<td>EC/0007</td>
<td>Comparative corporate law</td>
<td>SCANO Dionigi</td>
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<td>7. Management (M)</td>
<td>EC/0008</td>
<td>Public Management</td>
<td>SPANO Alessandro</td>
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<td>Advanced corporate finance</td>
<td>PIRAS Luca</td>
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<td>Innovation management</td>
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<td>Business communication</td>
<td>CABONI Federica</td>
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<td>Quantitative methods for management</td>
<td>ROMANO Maurizio</td>
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<td>PIGLIARU Francesco</td>
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<td>Teacher's name</td>
<td>N. hours</td>
<td>Number of ECTS</td>
<td>Year</td>
<td>Semester</td>
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<td>CABIDDU Francesca</td>
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<td>16. Management (M)</td>
<td>EC/0086</td>
<td>International financial reporting</td>
<td>MURA Alessandro(4,5 ECTS) + To be defined(4,5 ECTS)</td>
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<td>17. Sustainable Tourism Management and Monitoring (M)</td>
<td>SE/0004</td>
<td>Information system and DBMS</td>
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<td>EC/0052</td>
<td>International Standards and Tourism Indicators Monitoring</td>
<td>MODICA Patrizia</td>
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<td>19. Sustainable Tourism Management and Monitoring (M)</td>
<td>EC/0053</td>
<td>Spatial Tourism Data Analysis</td>
<td>CANNAS Massimo</td>
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<td>20. Sustainable Tourism Management and Monitoring (M)</td>
<td>EC/0054</td>
<td>International Environmental Law and Policy</td>
<td>AMOROSO Daniele</td>
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<td>21. International Relations (M)</td>
<td>SP/0071</td>
<td>Economics of globalization*</td>
<td>PINNA Anna Maria</td>
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<td>22. International Relations (M)</td>
<td>2/61/067</td>
<td>European Integration</td>
<td>ROSSI Christian</td>
<td>54</td>
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<td>23. International Relations (M)</td>
<td>SP/0043</td>
<td>Law of international organization</td>
<td>BIAGIONI Giacomo</td>
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<td>SP/0044</td>
<td>Contemporary Africa</td>
<td>SOI Isabella</td>
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</table>
### List of Courses Taught in English - A.Y. 2021/2022

**Semester 1: Autumn**

| *B, Bachelor (1\textsuperscript{st} cycle); M, Master (2\textsuperscript{nd} cycle); M5, 5-year single cycle Master Programmes* | Degree Programme | Course unit code | Course unit title | Teacher's name | N. hours | Number of ECTS | Year | Semester |
|---|---|---|---|---|---|---|---|---|---|
| 25. | International Relations (M) | SP/0014 | Contemporary China | ONNIS Barbara | 36 | 6 | 2 | 2 |
| 26. | International Relations (M) | SP/0073 | International politics of Asia | ONNIS Barbara | 36 | 6 | 2 | 2 |
| 27. | International Relations (M) | 2/61/049 | English Language 2 | GIORDANO Michela | 54 | 9 | 1 | 1 |
| 28. | Economics, Finance and Public Policy (M) | EC/0072 | Policy evaluation | DI LIBERTO Adriana | 36 | 6 | 2 | 1 |
| 29. | Economics, Finance and Public Policy (M) | EC/0073 | Economics and geography of innovation | PACI Raffaele, CERINA Fabio | 72 | 12 | 2 | 1 |
| 30. | Economics, Finance and Public Policy (M) | EC/0070 | Risk management and value in banking | DE LISA Riccardo | 36 | 6 | 2 | 1 |
| 31. | Economics, Finance and Public Policy (M) | EC/0068 | Statistical models for portfolio asset allocation | CONVERSANO Claudio | 36 | 6 | 2 | 1 |
| 32. | Economics, Finance and Public Policy (M) | EC/0071 | Financial derivatives and risk management | MERELLA Vincenzo | 36 | 6 | 2 | 2 |
| 33. | Economics, Finance and Public Policy (M) | EC/0069 | Corporate finance | CERINA Fabio | 36 | 6 | 2 | 1 |
| 34. | Economics, Finance and Public Policy (M) | 2146 | English Language | To be defined | 36 | 6 | 1 | 2 |
| 35. | Law (M5) | GI/0010 | Transport law | PIRAS Massimiliano | 48 | 6 | 4 | 2 |
| 36. | Law (M5) | GI/0014 | Comparative contract law | MANCALEONI Anna Maria | 48 | 6 | 3 | 2 |

**Semester 2: Spring**
**LIST OF COURSES TAUGHT IN ENGLISH - A.Y. 2021/2022**

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

<table>
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<tr>
<th>Degree Programme (B, M, M5)*</th>
<th>Course unit code</th>
<th>Course unit title</th>
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<th>N. hours</th>
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<th>Year</th>
<th>Semester</th>
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<td>37. Pharmaceutical Chemistry and Technology (M5)</td>
<td>FA/0210/EN</td>
<td>Pharmacotherapy</td>
<td>MORELLI Micaela</td>
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<td>38. Pharmaceutical Chemistry and Technology (M5)</td>
<td>FA/0226/EN</td>
<td>Experimental Pharmacology</td>
<td>SIMOLA Nicola</td>
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<td>39. Pharmacy (M)</td>
<td>FA/0215/EN</td>
<td>Pharmacotherapy</td>
<td>MORELLI Micaela</td>
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<td>40. Neuropsychobiology (M)</td>
<td>FA/0172/EN</td>
<td>Experimental Model of Animal Behaviour</td>
<td>DAZZI Laura</td>
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<td>41. Preservation and Management of Natural Resources and the Environment (M)</td>
<td>BF/0013/EN</td>
<td>Regional Geology</td>
<td>COSTAMAGNA Luca</td>
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<td>42. Cellular and Molecular Biology (M) curriculum Advanced cellular studies</td>
<td>BF/0034/EN</td>
<td>Bioinformatics</td>
<td>CALÒ Carla Maria, GRANDI Nicole, DISTINTO Simona</td>
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<td>44. Cellular and Molecular Biology (M) curriculum Advanced cellular studies</td>
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<td>Advanced Biological Methodologies</td>
<td>CESARE Marincola Flaminia, PIANO Dario, MANCONI Barbara, CABRAS Tiziana</td>
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<td>45. Cellular and Molecular Biology (M) curriculum Advanced cellular studies</td>
<td>BF/0036/EN</td>
<td>Metabolic Biochemistry</td>
<td>OLIANAS Alessandra, PINTUS Francesca</td>
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<td>46. Cellular and Molecular Biology (M) curriculum Advanced cellular studies</td>
<td>BF/0037/EN</td>
<td>Molecular Virology</td>
<td>TRAMONTANO Enzo</td>
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<td>47. Cellular and Molecular Biology (M) curriculum Advanced cellular studies</td>
<td>BF/0038/EN</td>
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<td>FRANCALACCI Paolo</td>
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<td>48. Cellular and Molecular Biology (M) curriculum Advanced cellular studies</td>
<td>BF/0039/EN</td>
<td>Basis of Scientific Methodology</td>
<td>PUSCEDDU Antonio, FRIGAU Luca</td>
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<td>49. Chemical and Biotechnological Process Engineering (M)</td>
<td>IN/0240/EN</td>
<td>Process modeling and simulation</td>
<td>BARATTI Roberto GROSSO Massimiliano</td>
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<td>50. Chemical and Biotechnological Process Engineering (M)</td>
<td>IA/0187/EN</td>
<td>Chemical and Biotechnological Reactors</td>
<td>CINCOTTI Alberto</td>
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<td>51. Chemical and Biotechnological Process Engineering (M)</td>
<td>IN/0241/EN</td>
<td>Advanced systems of process control</td>
<td>TRONCI Stefania GROSSO Massimiliano</td>
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<td>52. Chemical and Biotechnological Process Engineering (M)</td>
<td>IA/0188/EN</td>
<td>Safety and Environmental Chemical Engineering with Design Project</td>
<td>CONCAS ALESSANDRO</td>
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<td>53. Electronic Engineering (M)</td>
<td>IA/0125/EN</td>
<td>Advanced embedded systems</td>
<td>MELONI Paolo</td>
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<td>54. Electronic Engineering (M)</td>
<td>IA/0205/EN</td>
<td>Artificial intelligence</td>
<td>FUMERA Giorgio</td>
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<td>55. Electronic Engineering (M)</td>
<td>IA/0152/EN</td>
<td>Biosensors and bioelectronics</td>
<td>LAI Stefano</td>
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<td>Mixed-signal circuits and systems</td>
<td>BARBARO Massimo Da definire</td>
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<td>Nanoelectronics</td>
<td>FILIPPETTI Alessio</td>
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<td>IA/0148/EN</td>
<td>Cyber-physical system architectures</td>
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<td>59. Electronic Engineering (M)</td>
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<td>Data acquisition technologies</td>
<td>PEGORARO Paolo Attilio CASTELLO Paolo</td>
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## LIST OF COURSES TAUGHT IN ENGLISH - A.Y. 2021/2022

### Semester 1: Autumn

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<th>Course unit title</th>
<th>Teacher's name</th>
<th>N. hours</th>
<th>Number of ECTS</th>
<th>Year</th>
<th>Semester</th>
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<tr>
<td>60. Electronic Engineering (M)</td>
<td>IA/0020/EN</td>
<td>Internet of things</td>
<td>NITTI Michele</td>
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<td>61. Electronic Engineering (M)</td>
<td>IA/0189/EN</td>
<td>Microwave systems and sensors</td>
<td>MONTISCI Giorgio</td>
<td>70</td>
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<td>62. Electronic Engineering (M)</td>
<td>IA/0151/EN</td>
<td>Wearable and flexible electronics</td>
<td>COSSEDDU Piero</td>
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<td>63. Electronic Engineering (M)</td>
<td>IA/0147/EN</td>
<td>Analysis and control of cyber-physical systems</td>
<td>GIUA Alessandro</td>
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<td>64. Electronic Engineering (M)</td>
<td>IA/0123/EN</td>
<td>Operating systems</td>
<td>GIACINTO Giorgio</td>
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<td>65. Electronic Engineering (M)</td>
<td>IA/0149/EN</td>
<td>Optoelectronics, diagnostics and aerospace applications</td>
<td>MURA Giovanna MARTINES Giovanni</td>
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<td>66. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
<td>IA/0205/EN</td>
<td>Artificial intelligence</td>
<td>FUMERA Giorgio</td>
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<td>67. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
<td>IA/0116/EN</td>
<td>Cybersecurity technologies and Risk Management</td>
<td>GIACINTO Giorgio FUMERA Giorgio</td>
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<td>68. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
<td>IA/0113/EN</td>
<td>Industrial software development</td>
<td>BIGGIO Battista, DIDACI Luca</td>
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<td>69. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
<td>IA/0115/EN</td>
<td>Supervisory control and monitoring</td>
<td>SEATZU Carla USAI Elio</td>
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* B, Bachelor (1st cycle); M, Master (2nd cycle); M5, 5-year single cycle Master Programmes

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6/11
# List of Courses Taught in English - A.Y. 2021/2022

**Semester 1: Autumn**

<table>
<thead>
<tr>
<th>Degree Programme (B, M, M5)*</th>
<th>Course unit code</th>
<th>Course unit title</th>
<th>Teacher's name</th>
<th>N. hours</th>
<th>Number of ECTS</th>
<th>Year</th>
<th>Semester</th>
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<tr>
<td>70. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
<td>IA/0117/EN</td>
<td>Fault diagnosis and estimation in dynamical systems</td>
<td>FRANCESCHELLI Mauro</td>
<td>50</td>
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<td>71. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
<td>IA/0013/EN</td>
<td>Machine learning</td>
<td>ROLI Fabio</td>
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<td>72. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
<td>IA/0120/EN</td>
<td>Critical infrastructures for innovative power distribution</td>
<td>PILO Fabrizio</td>
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<td>73. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
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<td>Industrial informatics for energy storage systems</td>
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<td>74. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
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<td>Measurements and cyber security for Smart Grid</td>
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<td>75. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
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<td>IA/0139/EN</td>
<td>Data driven models for system engineering</td>
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<td>IA/0125/EN</td>
<td>Advanced embedded systems</td>
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<td>78. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
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<td>Internet of things</td>
<td>NITTI Michele</td>
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<td>79. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
<td>IA/0131/EN</td>
<td>Biometric technologies and behavioural security</td>
<td>MARCIALIS Gian Luca</td>
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**Semester 2: Spring**
### List of Courses Taught in English - A.Y. 2021/2022

#### Semester 1: Autumn

<table>
<thead>
<tr>
<th>Degree Programme (B, M, M5)*</th>
<th>Course unit code</th>
<th>Course unit title</th>
<th>Teacher's name</th>
<th>N. hours</th>
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<th>Year</th>
<th>Semester</th>
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<tbody>
<tr>
<td>80. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
<td>IA/0129/EN</td>
<td>Computer forensics techniques</td>
<td>MAIORCA DAVIDE</td>
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<td>81. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
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<td>Computer law</td>
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<td>Stochastic models</td>
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<td>83. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
<td>IA/0127/EN</td>
<td>Web security and malware analysis</td>
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<td>84. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
<td>IA/0140/EN</td>
<td>Networked control systems and security</td>
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<td>85. Computer Engineering, Cybersecurity and Artificial Intelligence (M)</td>
<td>IA/0122/EN</td>
<td>Physical-layer techniques for Wireless communication security</td>
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<td>Cybersecurity Technologies and Risk Management</td>
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## List of Courses Taught in English - A.Y. 2021/2022

### Semester 1: Autumn

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<th>Semester</th>
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<td>91. Internet Engineering (M)</td>
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<td>Advanced embedded systems</td>
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<td>92. Environmental and Land Engineering (M)</td>
<td>IN/0242/EN</td>
<td>Strategic planning</td>
<td>LAI Sabrina</td>
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<td>93. Civil Engineering (M)</td>
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<td>Computational Mechanics of Structures</td>
<td>EREMEEV Victor</td>
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<td>94. Environmental and Land Engineering (M)</td>
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<td>Solid waste management</td>
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<td>IN/0243/EN</td>
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<td>96. Environmental and Land Engineering (M)</td>
<td>IN/0245/EN</td>
<td>Control and treatment of atmospheric emissions</td>
<td>CAPPAI Giovanna</td>
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<td>97. Environmental and Land Engineering (M)</td>
<td>IA/0155/EN</td>
<td>Wastewater Treatment Plants</td>
<td>CARUCCI Alessandra CAPPAI Giovanna</td>
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### Semester 2: Spring

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<th>Semester</th>
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<tr>
<td>98. Computer Science (M)</td>
<td>SM/0096/EN</td>
<td>Geometric Algorithms and Spatial Data Structures</td>
<td>SCATENI Riccardo</td>
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<td>99. Computer Science (M)</td>
<td>SM/0164/EN</td>
<td>Artificial Intelligence: Natural Language Processing</td>
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<td>100. Computer Science (M)</td>
<td>SM/0121/EN</td>
<td>Network Flows Optimization</td>
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<td>101. Computer Science (M)</td>
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<td>Decision Science</td>
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**FACULTY OF SCIENCES**

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### List of Courses Taught in English - A.Y. 2021/2022

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<th>N. hours</th>
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<th>Semester</th>
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<tr>
<td>Computer Science (M)</td>
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<td>Physics (M)</td>
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<td>Astrophysics</td>
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<td>Computer Science (M)</td>
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<td>Artificial Intelligence: Natural Language Processing and Understanding</td>
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<td>Degree Programme (B, M, M5)*</td>
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<td>Year</td>
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**FACULTY OF HUMANITIES**

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<tr>
<td>115. Languages and Cultures for Linguistic Mediation (B)</td>
<td>32/19/041</td>
<td>English Language Translation 1</td>
<td>DENTI Olga (even)</td>
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<td>117. Languages and Communication (B)</td>
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<td>118. Modern European and American Languages and Literatures (M)</td>
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<td>History and Institutions of the United States of America</td>
<td>BALDASSARRI ELENA</td>
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*B, Bachelor (1st cycle); M, Master (2nd cycle); M5, 5-year single cycle Master Programme