

## Department of Economics and Management

Code	teaching unit	Semester	ECTS	Degree course	Level*	Syllabus
A005231	SUPPLY CHAIN AND LOGISTICS MANAGEMENT	academic year	12	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/757935/2020/2070/77">https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/757935/2020/2070/77</a>
ECO0001	ACCOUNTING ANALYTICS	first semester	6	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758609/2020/2210/77">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758609/2020/2210/77</a>
A000458	BUSINESS CONTRACT LAW	first semester	6	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753255/2020/2214/77">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753255/2020/2214/77</a>
ECO0003	CODING FOR DATA SCIENCE AND ANALYTICS	first semester	9	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758611/2020/2210/77">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758611/2020/2210/77</a>
A004846	DATA ANALYSIS AND BIG DATA LAB	first semester	9	Business Administration	B	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/757644/2019/2074/107">https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/757644/2019/2074/107</a>
A004843	FINANCIAL ECONOMICS	first semester	6	Business Administration	B	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/757641/2019/2075/107">https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/757641/2019/2075/107</a>
750562	FINANCIAL MANAGEMENT MODELS	first semester	9	Business Administration	B	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/750562/2019/2074/107">https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/750562/2019/2074/107</a>
A000460	FINANCIAL STATEMENT ANALYSIS	first semester	9	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753260/2020/2212/77">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753260/2020/2212/77</a>
751067	INTERNATIONAL ECONOMIC ENVIRONMENT FOR BUSINESS	first semester	9	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751067/2020/2214/77">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751067/2020/2214/77</a>
702165	INTERNATIONAL ECONOMICS	first semester	9	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/702165/2020/2210/77">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/702165/2020/2210/77</a>
A005217	LABORATORIO GLOBAL MARKETING RESEARCH	first semester	2	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757894/2020/2111/77">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757894/2020/2111/77</a>
A000385	OPERATIONS MANAGEMENT	first semester	6	Business Administration	B	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/753129/2019/2078/107">https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/753129/2019/2078/107</a>
A002547	ORGANIZATIONAL BEHAVIOR	first semester	6	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/755265/2020/2210/77">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/755265/2020/2210/77</a>
A004844	PUBLIC AND INNOVATION ECONOMICS	first semester	9	Business Administration	B	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/757642/2019/2078/107">https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/757642/2019/2078/107</a>
750560	PUBLIC ECONOMICS	first semester	9	Business Administration	B	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/750560/2019/2078/107">https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/750560/2019/2078/107</a>
750677	QUANTITATIVE METHODS FOR ECONOMICS AND BUSINESS	first semester	9	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750677/2020/2111/77">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750677/2020/2111/77</a>
A002548	RESOURCE AND ENERGY ECONOMICS	first semester	9	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/755279/2020/2113/77">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/755279/2020/2113/77</a>
ECO0005	STATISTICAL LEARNING	first semester	9	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758613/2020/2210/77">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758613/2020/2210/77</a>
A005232	SUPPLY CHAIN MANAGEMENT	first semester	6	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/757936/2020/2068/77">https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/757936/2020/2068/77</a>
750561	BUSINESS ORGANISATION	second semester	6	Business Administration	B	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/7513_109237_287/2019/7513/117?coorte=2021&amp;schemaid=2430">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/7513_109237_287/2019/7513/117?coorte=2021&amp;schemaid=2430</a>
ECO0057	CAUSAL INFERENCE AND IMPACT EVALUATION	second semester	6	Analytics and Data Science for Economics and Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8303_123476_28262/2022/8303/1371?coorte=2023&amp;schemaid=2442">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8303_123476_28262/2022/8303/1371?coorte=2023&amp;schemaid=2442</a>
A004845	COMPUTATIONAL METHODS	second semester	6	Economics and Digital Firm	B	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/7588_109579_23431/2019/7588/948?coorte=2021&amp;schemaid=2435">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/7588_109579_23431/2019/7588/948?coorte=2021&amp;schemaid=2435</a>
A002544	CORPORATE SOCIAL RESPONSIBILITY AND SUSTAINABILITY	second semester	9	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8314_121089_16961/2020/8314/116?coorte=2023&amp;schemaid=2452">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8314_121089_16961/2020/8314/116?coorte=2023&amp;schemaid=2452</a>
ECO0004	DATABASE MANAGEMENT	second semester	6	Analytics and Data Science for Economics and Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8303_121289_27728/2022/8303/1371?coorte=2023&amp;schemaid=2442">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8303_121289_27728/2022/8303/1371?coorte=2023&amp;schemaid=2442</a>
ECO0006	DIGITAL MARKETING	second semester	6	Analytics and Data Science for Economics and Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8303_121304_27731/2022/8303/1371?coorte=2023&amp;schemaid=2442">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8303_121304_27731/2022/8303/1371?coorte=2023&amp;schemaid=2442</a>
ECO0014	ECONOMICS OF INFORMATION AND DATA	second semester	6	Analytics and Data Science for Economics and Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8039_112714_27739/2022/8039/1371?coorte=2022&amp;schemaid=2443">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8039_112714_27739/2022/8039/1371?coorte=2022&amp;schemaid=2443</a>
A004842	EMPIRICAL ECONOMICS	second semester	9	Economics and Digital Firm	B	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/7588_109576_23425/2019/7588/948?coorte=2021&amp;schemaid=2435">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/7588_109576_23425/2019/7588/948?coorte=2021&amp;schemaid=2435</a>
A002545	ENVIRONMENTAL ECONOMICS	second semester	9	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8314_121106_16963/2020/8314/116?coorte=2023&amp;schemaid=2452">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8314_121106_16963/2020/8314/116?coorte=2023&amp;schemaid=2452</a>
ECO0052	ENVIRONMENTAL HISTORY	second semester	9	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8314_121124_28153/2020/8314/116?coorte=2023&amp;schemaid=2452">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8314_121124_28153/2020/8314/116?coorte=2023&amp;schemaid=2452</a>
A000547	FINANCIAL MANAGEMENT	second semester	6	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8087_114727_11669/2020/8087/116?coorte=2022&amp;schemaid=2460">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8087_114727_11669/2020/8087/116?coorte=2022&amp;schemaid=2460</a>
ECO0045	HISTORY OF GLOBAL BUSINESS	second semester	9	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8316_121126_28146/2020/8316/116?coorte=2023&amp;schemaid=2455">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8316_121126_28146/2020/8316/116?coorte=2023&amp;schemaid=2455</a>
A005215	INTERNATIONAL MARKETING	second semester	9	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8316_121098_24761/2020/8316/116?coorte=2023&amp;schemaid=2455">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8316_121098_24761/2020/8316/116?coorte=2023&amp;schemaid=2455</a>
ECO0046	INTERNATIONAL PUBLIC SPEAKING	second semester	6	OPZIONALE CdS MAGISTRALI	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8314_121127_28147/2020/8314/116?coorte=2023&amp;schemaid=2452">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8314_121127_28147/2020/8314/116?coorte=2023&amp;schemaid=2452</a>
ECO0008	LAW AND DATA	second semester	6	Analytics and Data Science for Economics and Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8303_121320_27733/2022/8303/1371?coorte=2023&amp;schemaid=2442">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8303_121320_27733/2022/8303/1371?coorte=2023&amp;schemaid=2442</a>
750676	LEADERSHIP & COMPLEX ORGANIZATIONS	second semester	6	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8316_121085_1250/2020/8316/116?coorte=2023&amp;schemaid=2455">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8316_121085_1250/2020/8316/116?coorte=2023&amp;schemaid=2455</a>
750675	MARKETING-ADVANCED	second semester	6	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8087_114729_1226/2020/8087/116?coorte=2022&amp;schemaid=2460">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8087_114729_1226/2020/8087/116?coorte=2022&amp;schemaid=2460</a>
ECO0011	OPTIMIZATION METHODS IN BUSINESS ANALYTICS	second semester	6	Analytics and Data Science for Economics and Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8039_112712_27736/2022/8039/1371?coorte=2022&amp;schemaid=2443">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8039_112712_27736/2022/8039/1371?coorte=2022&amp;schemaid=2443</a>
A002548	RESOURCE AND ENERGY ECONOMICS	second semester	9	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8085_114726_16969/2020/8085/116?coorte=2022&amp;schemaid=2457">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8085_114726_16969/2020/8085/116?coorte=2022&amp;schemaid=2457</a>
750563	STRATEGY ANALYSIS	second semester	9	Business Administration	B	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/7513_109249_340/2019/7513/117?coorte=2021&amp;schemaid=2430">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/7513_109249_340/2019/7513/117?coorte=2021&amp;schemaid=2430</a>
ECO0054	TRANSPORTATION MANAGEMENT	second semester	6	Management	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8085_114755_27752/2020/8085/116?coorte=2022&amp;schemaid=2457">https://unibs.coursecatalogue.cineca.it/insegnamenti/2023/8085_114755_27752/2020/8085/116?coorte=2022&amp;schemaid=2457</a>

\*Level: M for Master's - B for Bachelor's

Department of Mechanical and Industrial Engineering

Code	Teaching Unit	Semester	ECTS	Degree Course	Level*	Syllabus
A004990	ADAPTIVE CONTROL SYSTEMS	second semester	6	INGEGNERIA DELL'AUTOMAZIONE INDUSTRIALE	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757451/2021/2188/96">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757451/2021/2188/96</a>
U12598	BIOFLUID MECHANICS	second semester	3	INGEGNERIA MECCANICA	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751496/2021/2179/93">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751496/2021/2179/93</a>
A004020	BIOMATERIALS	second semester	3	INGEGNERIA PER L'INNOVAZIONE DEI MATERIALI E	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756179/2018/2186/10128">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756179/2018/2186/10128</a>
A000430	BIOMECHANICS	second semester	6	INGEGNERIA DELL'AUTOMAZIONE INDUSTRIALE	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753153/2021/2188/96">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753153/2021/2188/96</a>
750795	BIOMECHATRONICS	second semester	12	INGEGNERIA MECCANICA	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750795/2021/2179/93">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750795/2021/2179/93</a>
U12451	BIOMECHANICS (module)	second semester	6	INGEGNERIA MECCANICA	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751495/2021/2179/93">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751495/2021/2179/93</a>
U12600	SENSORS FOR BIOSIGNALS (module)	second semester	6	INGEGNERIA MECCANICA	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751498/2021/2179/93">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751498/2021/2179/93</a>
A004018	BIONANOTECHNOLOGY	second semester	3	INGEGNERIA PER L'INNOVAZIONE DEI MATERIALI E	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756177/2018/2186/10128">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756177/2018/2186/10128</a>
703160	BUSINESS ENGLISH	second semester	6	INGEGNERIA GESTIONALE	B	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/703160/2009/2187/86">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/703160/2009/2187/86</a>
750619	CONTROL SYSTEMS TECHNOLOGIES	second semester	9	INGEGNERIA ELETTRONICA	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750619/2011/2229/90">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750619/2011/2229/90</a>
A003465	ROBOTICS AND CONTROL SYSTEMS	second semester	18	INGEGNERIA DELL'AUTOMAZIONE INDUSTRIALE	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756146/2021/2164/96">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756146/2021/2164/96</a>
A003466	SERVO SYSTEMS AND ROBOTICS (module)	second semester	9	INGEGNERIA DELL'AUTOMAZIONE INDUSTRIALE	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756147/2021/2164/96">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756147/2021/2164/96</a>
A003467	CONTROL SYSTEMS TECHNOLOGIES (module)	second semester	9	INGEGNERIA DELL'AUTOMAZIONE INDUSTRIALE	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756148/2021/2164/96">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756148/2021/2164/96</a>
A000227	ELEMENTS OF BIOMECHANICS	second semester	3	INGEGNERIA MECCANICA E DEI MATERIALI	B	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/752975/2011/1912/146">https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/752975/2011/1912/146</a>
				INGEGNERIA GESTIONALE	B	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752975/2009/2187/86">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752975/2009/2187/86</a>
				INGEGNERIA DELL'AUTOMAZIONE INDUSTRIALE	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752975/2021/2188/96">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752975/2021/2188/96</a>
A003478	INTELLECTUAL PROPERTY	second semester	6	INGEGNERIA GESTIONALE	B/M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/756198/2009/1919/86">https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/756198/2009/1919/86</a>
				INGEGNERIA DELL'AUTOMAZIONE INDUSTRIALE	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756198/2021/2188/96">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756198/2021/2188/96</a>
A003600	LIGHT ALLOYS	first semester	6	INGEGNERIA PER L'INNOVAZIONE DEI MATERIALI E	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756240/2018/2186/10128">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756240/2018/2186/10128</a>
				INGEGNERIA MECCANICA E DEI MATERIALI		
A000218	MATERIALS FOR BIOMEDICAL APPLICATIONS	second semester	9	INGEGNERIA MECCANICA	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/752134/2011/1674/93">https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/752134/2011/1674/93</a>
A000220	METALLIC BIOMATERIALS AND COATINGS (module)	second semester	3	INGEGNERIA MECCANICA	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752136/2021/1931/93">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752136/2021/1931/93</a>
A000221	BIOMATERIALS (module)	second semester	3	INGEGNERIA MECCANICA	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752137/2021/1931/93">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752137/2021/1931/93</a>
A000424	BIONANOTECHNOLOGY (module)	second semester	3	INGEGNERIA MECCANICA	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753252/2021/1931/93">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753252/2021/1931/93</a>
A005012	MECHANOBIOLOGY	second semester	3	INGEGNERIA MECCANICA E DEI MATERIALI		<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/757476/2018/1906/10128">https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/757476/2018/1906/10128</a>
A005012	MECHANOBIOLOGY	second semester	3	INGEGNERIA PER L'INNOVAZIONE DEI MATERIALI E	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757476/2018/2186/10128">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757476/2018/2186/10128</a>
A004019	METALLIC BIOMATERIALS AND COATINGS	second semester	3	INGEGNERIA PER L'INNOVAZIONE DEI MATERIALI E	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756178/2018/2186/10128">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756178/2018/2186/10128</a>
750620	MICROPROCESSOR BASED INSTRUMENTATION	second semester	9	INGEGNERIA DELL'AUTOMAZIONE INDUSTRIALE	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750620/2021/2164/96">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750620/2021/2164/96</a>
A003531	MODELING AND SIMULATION OF PRODUCTIVE	first semester	6	INGEGNERIA GESTIONALE	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756200/2021/1937/95">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756200/2021/1937/95</a>
A004980	PROCESS OPTIMIZATION	first semester	12	INGEGNERIA GESTIONALE	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757482/2021/1941/95">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757482/2021/1941/95</a>
A004979	MODELING AND SIMULATION OF PRODUCTIVE PROCESSES (module)	first semester	6	INGEGNERIA GESTIONALE	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757481/2021/1941/95">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757481/2021/1941/95</a>
A004978	OPTIMIZATION ALGORITHMS (module)	first semester	6	INGEGNERIA GESTIONALE	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757480/2021/1941/95">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757480/2021/1941/95</a>
A004022	OPTIMIZATION ALGORITHMS	first semester	6	INGEGNERIA DELL'AUTOMAZIONE INDUSTRIALE	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756160/2021/2188/96">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756160/2021/2188/96</a>
A003639	PRODUCT INNOVATION AND PROCESS CERTIFICATION	second semester	9	INGEGNERIA PER L'INNOVAZIONE DEI MATERIALI E	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756242/2018/2186/10128">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756242/2018/2186/10128</a>
A005650	PRODUCTION SYSTEMS FOR MEDICAL DEVICES	second semester	6	INGEGNERIA MECCANICA	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758313/2021/2179/93">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758313/2021/2179/93</a>
A003619	PRODUCTION TECHNOLOGIES FOR BIOMANUFACTURING	second semester	3	INGEGNERIA MECCANICA	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756176/2021/2179/93">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756176/2021/2179/93</a>
A000217	STRUCTURAL BIOMECHANICS	first semester	3	INGEGNERIA MECCANICA	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752133/2021/1931/93">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752133/2021/1931/93</a>

\*Level: M for Master's - B for Bachelor's



Department of Information Engineering

Code	Teaching Unit	Semester	ECTS	Degree Course	Level	Syllabus
A004990	ADAPTIVE CONTROL SYSTEMS	second semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757451/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757451/2012/2233/199</a>
750574	ADVANCED GEOMATICS	second semester	9	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750574/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750574/2012/2233/199</a>
751055	ADVANCED METHODS FOR INFORMATION REPRESENTATION	first semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751055/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751055/2012/2233/199</a>
751054	ANTENNAS AND WIRELESS SYSTEMS LABORATORY:	second semester	9	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751054/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751054/2012/2233/199</a>
U13031	- <i>Antennas (6)</i>	second semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751587/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751587/2012/2233/199</a>
U13039	- <i>Wireless systems laboratory (3)</i>	second semester	3	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751591/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751591/2012/2233/199</a>
750619	CONTROL SYSTEMS TECHNOLOGIES	second semester	9	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750619/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750619/2012/2233/199</a>
A004202	DATA-DRIVEN SYSTEM MODELLING	first semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756264/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756264/2012/2233/199</a>
703619	DIGITAL AUDIO PROCESSING	second semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/703619/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/703619/2012/2233/199</a>
A000343	DIGITAL COMMUNICATIONS:	first semester	12	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753004/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753004/2012/2233/199</a>
A000345	- <i>Information theory (6)</i>	first semester		Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753005/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753005/2012/2233/199</a>
A000346	- <i>Digital modulation and Channel Coding (6)</i>	first semester		Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753006/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753006/2012/2233/199</a>
750607	ELECTRONICS FOR TELECOMMUNICATIONS:	first semester	9	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758837/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758837/2012/2233/199</a>
INGO102	- <i>Digital systems for signal telecommunications (6)</i>	first semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758838/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758838/2012/2233/199</a>
INGO103	- <i>Measurements and instrumentation for telecommunications (3)</i>	first semester	3	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758839/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758839/2012/2233/199</a>
A000392	HEALTH INFORMATION SYSTEMS	first semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753003/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753003/2012/2233/199</a>
A005523	IMAGE DATA ANALYSIS	first semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757904/2012/2232/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757904/2012/2232/199</a>
A000344	IMAGE PROCESSING AND VISUALIZATION:	second semester	9	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758833/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758833/2012/2233/199</a>
A000347	- <i>Digital Image Processing (6)</i>	second semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758834/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758834/2012/2233/199</a>
A000348	- <i>Fundamentals of computer graphics (3)</i>	second semester	3	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758835/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758835/2012/2233/199</a>
A000389	MACHINE LEARNING E DATA MINING	second semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753000/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753000/2012/2233/199</a>
751051	MICROWAVE ENGINEERING	second semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751051/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751051/2012/2233/199</a>
A000371	MOBILE PROGRAMMING	second semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753007/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753007/2012/2233/199</a>
A005517	MULTIMEDIA COMMUNICATION SERVICES:	first semester	9	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757898/2012/2232/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757898/2012/2232/199</a>
A005518	- <i>Multimedia Information Coding and Description (6)</i>	first semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757899/2012/2232/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757899/2012/2232/199</a>
A005519	- <i>Streaming Technologies (3)</i>	first semester	3	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757900/2012/2232/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757900/2012/2232/199</a>
A003121	NANOPHOTONICS	second semester	3	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/754282/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/754282/2012/2233/199</a>
703599	NETWORK SECURITY	second semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/703599/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/703599/2012/2233/199</a>
A000394	OPTICAL COMMUNICATION COMPONENTS	second semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753008/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753008/2012/2233/199</a>
A000669	OPTICAL COMMUNICATION NETWORKS	second semester	3	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753537/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753537/2012/2233/199</a>
750609	OPTICAL COMMUNICATION SYSTEMS:	second semester	9	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750609/2012/2232/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750609/2012/2232/199</a>
U12408	- <i>Optical communication components (6)</i>	second semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751585/2012/2232/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751585/2012/2232/199</a>
U12409	- <i>Optical communication networks (3)</i>	second semester	3	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751586/2012/2232/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751586/2012/2232/199</a>
A004022	OPTIMIZATION ALGORITHMS	first semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756160/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/756160/2012/2233/199</a>
A005509	PHOTONICS	second semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757886/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757886/2012/2233/199</a>
A003122	PRACTICAL CHEMISTRY FOR NANOTECHNOLOGY	second semester	3	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/754283/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/754283/2012/2233/199</a>
INGO100	PROCESSING AND COMMUNICATIONS LABORATORY	first semester	4	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758836/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758836/2012/2233/199</a>
A004959	QUANTUM TECHNOLOGIES	first semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757885/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757885/2012/2233/199</a>
A005520	REMOTE SENSING:	first semester	9	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757901/2012/2232/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757901/2012/2232/199</a>
A005521	- <i>Image Data Analysis (6)</i>	first semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757902/2012/2232/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757902/2012/2232/199</a>
A005522	- <i>Remote Sensing Data Acquisition (3)</i>	first semester	3	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757903/2012/2232/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757903/2012/2232/199</a>
A000670	REMOTE SENSING DATA ACQUISITION	first semester	3	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753538/2012/2232/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753538/2012/2232/199</a>
A005510	VEHICULAR NETWORKS AND COOPERATIVE DRIVING	second semester	6	Communication Technologies and Multimedia	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757887/2012/2233/199">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/757887/2012/2233/199</a>

Department of Civil, Environmental, Architectural Engineering and Mathematics

Code	Teaching Unit	Semester	ECTS	Degree Course	Level	Syllabus
A005697	ADVANCED GEOMATICS	second semester	9	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758268/2016/2157/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758268/2016/2157/10041</a>
A000635	APPROPRIATE ENVIRONMENTAL TECHNOLOGIES FOR RESOURCE LIMITED COUNTRIES	second semester	6	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753514/2016/2158/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753514/2016/2158/10041</a>
A000636	ARCHITECTURAL RESTORATION AND CONSERVATION	second semester	6	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758271/2016/2158/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758271/2016/2158/10041</a>
750578	BUILDING PERFORMANCE ENGINEERING	first semester	9	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750578/2016/2157/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750578/2016/2157/10041</a>
A000553	CLIMATE CHANGE ADAPTATION AND MITIGATION	first semester	6	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758270/2016/2158/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758270/2016/2158/10041</a>
A000370	DESIGN OF SEISMIC RESISTANT STRUCTURES	second semester	9	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/752990/2015/1877/130">https://unibs.coursecatalogue.cineca.it/insegnamenti/2021/752990/2015/1877/130</a>
				Architectural Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752990/2015/2152/130">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752990/2015/2152/130</a>
750565	ENVIRONMENTAL HYDRAULICS	second semester	9	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750565/2016/2157/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750565/2016/2157/10041</a>
ING0028	ENERGY SYSTEMS: FROM OIL AND GAS TO RENEWABLES	second semester	3	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758758/2016/2158/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758758/2016/2158/10041</a>
A000369	GEOTECHNICAL ENGINEERING	first semester	9	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752991/2016/2157/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/752991/2016/2157/10041</a>
750570	HYDRAULIC STRUCTURES	first semester	9	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750570/2016/2158/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750570/2016/2158/10041</a>
A000633	REINFORCED CONCRETE STRUCTURES	first semester	6	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758269/2016/2158/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/758269/2016/2158/10041</a>
751048	REMOTE SENSING	first semester	9	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751048/2016/2158/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751048/2016/2158/10041</a>
U13029	REMOTE SENSING DATA ACQUISITION (module)	first semester	3	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751450/2016/2158/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751450/2016/2158/10041</a>
U13030	REMOTE SENSING DATA ANALYSIS (module)	first semester	6	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751451/2016/2158/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751451/2016/2158/10041</a>
750566	STRUCTURAL DESIGN	first semester	9	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750566/2016/2157/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750566/2016/2157/10041</a>
750568	STRUCTURAL DYNAMICS AND SEISMOLOGY	second semester	9	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750568/2016/2157/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750568/2016/2157/10041</a>
A000634	STRUCTURAL REHABILITATION	second semester	6	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753533/2016/2158/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/753533/2016/2158/10041</a>
750569	URBAN PLANNING AND RISK MITIGATION	second semester	9	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750569/2016/2157/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750569/2016/2157/10041</a>
U12362	BASIC PRINCIPLES OF URBAN PLANNING (module)	second semester	6	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751448/2016/2157/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751448/2016/2157/10041</a>
U12504	PLANNING AND RISK MITIGATION (module)	second semester	3	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751449/2016/2157/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/751449/2016/2157/10041</a>
750573	WATER AND WASTE TREATMENT PLANT DESIGN	first semester	9	Civil and environmental Engineering	M	<a href="https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750573/2016/2158/10041">https://unibs.coursecatalogue.cineca.it/insegnamenti/2022/750573/2016/2158/10041</a>