

MASTER COURSES IN ENGLISH

	CODE	SUBJECT	ECTS	WEB	PROGRAM
FALL	250401	MECHANICS OF CONTINUA	9	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250401&idioma=3	MECCP
	250402	NUMERICAL MODELLING	9	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250402&idioma=3	
	250406	COMPUTATIONAL ENGINEERING	6	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250406&idioma=3	
	250407	GEOMECHANICAL AND GEOTECHNICAL ENGINEERING	6	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250407&idioma=3	
	250409	PLANNING AND MANAGEMENT OF TRANSPORTATION	6	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250409&idioma=3	
	250430	URBAN HYDROLOGY	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250430&idioma=3	
	250433	PORT AND OFFSHORE ENGINEERING	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250433&idioma=3	
	250440	COMPUTATIONAL ENGINEERING FOR DESIGN AND OPERATION	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250440&idioma=3	
	250450	URBAN MOBILITY	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250450&idioma=3	
	250473	ADVANCED DESIGN OF CONCRETE STRUCTURES	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250473&idioma=3	
	250710	INSPECTION, ANALYSIS AND RESTORATION OF HISTORICAL CONSTRUCTIONS	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250710&idioma=3	MEEC
	250818	CONSTITUTIVE EQUATIONS OF MATERIALS	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250818&idioma=3	MET
	250827	STOCHASTIC MODELLING OF TRANSPORT IN HETE	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250827&idioma=3	
	250828	HYDROMETEOROLOGICAL PROCESSES AND THEIR INTERACTIONS WITH THE GROUND	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250828&idioma=3	MMNE/MSCM
	250950	NUMERICAL METHODS FOR PDES	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250950&idioma=3	
	250951	FINITE ELEMENT	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250951&idioma=3	
	250952	CONTINUUM MECHANICS	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250952&idioma=3	
	250954	ADVANCED FLUID MECHANICS	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250954&idioma=3	
	250960	COMMUNICATION SKILLS 1	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250960&idioma=3	
	250961	COMPUTATIONAL MECHANICS TOOLS	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250961&idioma=3	
	250964	ENTREPRENEURSHIP	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250964&idioma=3	
	250965	ADVANCED DISCRETIZATION METHODS	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250965&idioma=3	
	250967	COMMUNICATION SKILLS 2	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250967&idioma=3	
	29850	MATHEMATICS	6	http://master.euroaquae.eu/files/live/sites/mea/files/courses/about/EA_handbook_2010.pdf	EUROAQUAE
	29851	HYDRAULICS	6	http://master.euroaquae.eu/files/live/sites/mea/files/courses/about/EA_handbook_2010.pdf	
	29852	HYDROLOGY	6	http://master.euroaquae.eu/files/live/sites/mea/files/courses/about/EA_handbook_2010.pdf	
	29854	INTRODUCTION TO GIS AND DATABASES	6	http://master.euroaquae.eu/files/live/sites/mea/files/courses/about/EA_handbook_2010.pdf	
	29856	NEURAL NETWORKS APPLIED TO DECISION SUPPORT SYSTEM	3	http://master.euroaquae.eu/files/live/sites/mea/files/courses/about/EA_handbook_2010.pdf	
	29857	URBAN DRAINAGE	5	http://master.euroaquae.eu/files/live/sites/mea/files/courses/about/EA_handbook_2010.pdf	
	29858	FLOOD RISK MANAGEMENT	5	http://master.euroaquae.eu/files/live/sites/mea/files/courses/about/EA_handbook_2010.pdf	
	29859	REAL TIME CONTROL IN IRRIGATION CANALS	5	http://master.euroaquae.eu/files/live/sites/mea/files/courses/about/EA_handbook_2010.pdf	
	480021	FUNDAMENTALS OF MATHEMATICAL AND SYSTEMIC SUSTAINABILITY MODELLING	5	http://www.upc.edu/estudispdf/guia_docent.php?codi=480021&lang=ing	MCTS
	480152	SUSTAINABLE DESIGN OF PRODUCTS AND SERVICES	5	http://www.upc.edu/estudispdf/guia_docent.php?codi=480152&lang=ing	
	480171	COMPLEX AND SOCIO-ENVIRONMENTAL NETWORKS	5	http://www.upc.edu/estudispdf/guia_docent.php?codi=480171&lang=ing	
480602	CONSTRUCTION AND BUILDING CONSTRUCTION ENGINEERING AND TECHNOLOGIES	5	http://www.upc.edu/estudispdf/guia_docent.php?codi=480602&lang=ing		
SPRING	250406	COMPUTATIONAL ENGINEERING	6	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250406&idioma=3	MECCP
	250407	GEOMECHANICAL AND GEOTECHNICAL ENGINEERING	6	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250407&idioma=3	
	250409	PLANNING AND MANAGEMENT OF TRANSPORTATION	6	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250409&idioma=3	
	250422	INTERACTION BETWEEN GROUNDWATER AND CIVIL WORKS	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250422&idioma=3	
	250443	MACHINE LEARNING AND MODELS FOR DECISION MAKING	5	https://portal.camins.upc.edu/public/guia?codiUpcUd=250443& curs=2018&idioma=3	
	250470	BUILDING STRUCTURES	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250470&idioma=3	CoMEM
	250600	COASTAL PROCESSES AND DYNAMICS	5	https://camins.upc.edu/ca/pdf/pdf-estudis/masters/master-en-coastal-and-marine-engineering-and-management/handbook-master-coastal-and-marine-engineering-and-management	
	250601	COASTAL SUSTAINABILITY: DEFENCE AND REALIGNMENT	5	https://camins.upc.edu/ca/pdf/pdf-estudis/masters/master-en-coastal-and-marine-engineering-and-management/handbook-master-coastal-and-marine-engineering-and-management	
	250602	COASTAL ZONE PLANNING AND MANAGEMENT	5	https://camins.upc.edu/ca/pdf/pdf-estudis/masters/master-en-coastal-and-marine-engineering-and-management/handbook-master-coastal-and-marine-engineering-and-management	
	250603	COASTAL MULTIDISCIPLINARY PROJECT: SUSTAINABLE ENGINEERING IN THE COASTAL ZONE	6	https://camins.upc.edu/ca/pdf/pdf-estudis/masters/master-en-coastal-and-marine-engineering-and-management/handbook-master-coastal-and-marine-engineering-and-management	
250604	DESIGN OF COASTAL AND HARBOUR STRUCTURES: DETERMINISTIC AND PROBABILISTIC	3	https://camins.upc.edu/ca/pdf/pdf-estudis/masters/master-en-coastal-and-marine-engineering-and-management/handbook-master-coastal-and-marine-engineering-and-management		

SPRING

250605	IMPACTS, CONFLICTS AND RISKS: PRESENT AND FUTURE CONDITIONS	3	https://camins.upc.edu/ca/pdf/pdf-estudis/masters/master-en-coastal-and-marine-engineering-and-management/handbook-master-coastal-and-marine-engineering-and-management	CoMEM
250608	METEO-OCEANOGRAPHIC TIME SERIES: TIME AND FREQUENCY ANALYSES	3	https://camins.upc.edu/ca/pdf/pdf-estudis/masters/master-en-coastal-and-marine-engineering-and-management/handbook-master-coastal-and-marine-engineering-and-management	
250610	PORT MANAGEMENT AND EXPLOITATION	3	https://camins.upc.edu/ca/pdf/pdf-estudis/masters/master-en-coastal-and-marine-engineering-and-management/handbook-master-coastal-and-marine-engineering-and-management	
250706	STRUCTURAL ANALYSIS SEMINARS	2.5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250706&idioma=3	MEEC
250707	NON-LINEAR ANALYSIS AND BEHAVIOUR OF CONCRETE STRUCTURES	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250707&idioma=3	
250727	PERFORMANCE BASED SEISMIC DESIGN AND ASSESSMENT OF STRUCTURES	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250727&idioma=3	
250822	STOCHASTIC METHODS IN HYDROLOGY	5	https://portal.camins.upc.edu/public/guia?codiUpcUd=250822& curs=2018&idioma=3	MET
250807	NUMERICAL MODELLING TOOL IN GEOENGINEERING	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250807&idioma=3	MMNE/MSCM
250955	PROGRAMMING FOR ENGINEERS AND SCIENTISTS	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250955&idioma=3	
250956	COMPUTATIONAL SOLID MECHANICS	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250956&idioma=3	
250957	FINITE ELEMENTS IN FLUIDS	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250957&idioma=3	
250958	COMPUTATIONAL STRUCTURAL MECHANICS AND DYNAMICS	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250958&idioma=3	
250963	COUPLED PROBLEMS	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250963&idioma=3	
250970	DOMAIN DECOMPOSITION AND LARGE SCALE SCIENTIFIC COMPUTING	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250970&idioma=3	
480042	RESEARCH-ACTION WORKSHOP ON SUSTAINABILITY SCIENCE AND TECHNOLOGIES	5	http://www.upc.edu/estudispdf/guia_docent.php?codi=480042&lang=ing	MCTS
480071	BIODIVERSITY AND SOCIO-ECOLOGICAL SYSTEMS	5	http://www.upc.edu/estudispdf/guia_docent.php?codi=480071&lang=ing	
480081	URBAN METABOLISM AND ECOLOGICAL URBANISM	5	http://www.upc.edu/estudispdf/guia_docent.php?codi=480081&lang=ing	
480093	SOCIO-ENVIRONMENTAL DATA SCIENCE	5	http://www.upc.edu/estudispdf/guia_docent.php?codi=480093&lang=ing	
250679	SOCIO-ENVIRONMENTAL STATISTICS AND DECISION-MAKING	5	https://portal.camins.upc.edu/ocw/guia.htm?codiUpcUd=250679&idioma=3	MEA

Master in Supply Chain (Transports specialization)

CODE	ECTS	SUBJECT	SEMESTER	WEB
250ST2132	5	TRAFFIC	AUTUMN	https://guiadocent.etseib.upc.edu/guiadocent/profile/default/action/viewDegreeTab.php?degree=1104&lang=ca#simgen
250ST2033	5	ADVANCED DEMAND MODELS	AUTUMN 2018/2019	
250ST2034	5	SMART MOBILITY	AUTUMN	
250ST2022	5	FUNDING OF TRANSPORT INVESTMENT	AUTUMN	
250ST2122	5	FREIGHT TRANSPORT	AUTUMN	
250ST2023	5	PORT MANAGEMENT AND MARITIME TRANSPORT	AUTUMN	
250ST2024	5	AIRPORTS MANAGEMENT	AUTUMN	
250ST2031	5	VEHICLE ROUTING	AUTUMN 2018	
250ST2131	5	OPTIMISATION MODELS FOR TRANSPORT NETWORKS	SPRING	
250ST022	5	TRANSPORT SYSTEMS DEMAND	SPRING	
250ST2121	5	PUBLIC TRANSPORT	SPRING	
250ST2021	5	TRAFFIC SIMULATION MODELS	SPRING 2018	
250ST2037	5	APPRAISAL AND DECISION MAKING IN TRANSPORTATION	SPRING	

- MECCP:** MASTER EN ENGINYERIA DE CAMINS, CANALS I PORTS / MASTER IN CIVIL ENGINEERING (CHARTERED)
- MMNE:** MASTER EN METODES NUMERICIS EN ENGINYERIA / MASTER IN NUMERICAL METHODS IN ENGINEERING
- MET:** MASTER EN ENGINYERIA DEL TERRENY / MASTER IN GEOTECHNICAL ENGINEERING
- MEEC:** MASTER ENGINYERIA ESTRUCTURAL I DE LA CONSTRUCCIÓ/ MASTER IN STRUCTURAL AND CONSTRUCTION ENGINEERING
- EUROAQUAE:** HYDROINFORMATICS AND WATER MANAGEMENT
- MSCM:** COMPUTATIONAL MECHANICS
- CoMEM:** COASTAL AND MARINE ENGINEERING AND MANAGEMENT
- MCTS:** SUSTAINABILITY SCIENCE & TECHNOLOGY
- MEA:** MASTER'S DEGREE IN ENVIRONMENTAL ENGINEERING