

MASTER IN SUSTAINABILITY SCIENCE AND TECHNOLOGY: STRUCTURE

FIRST YEAR		SECOND YEAR	
FIRST SEMESTER (Q1) AUTUMN (SETEMBER - JANUARY)	SECOND SEMESTER (Q2) SPRING (FEBRUARY - JULY)	THIRD SEMESTER (Q3) AUTUMN (SETEMBER - JANUARY)	FOURTH SEMESTER (Q4) SPRING (FEBRUARY - JULY)
6 COMPULSORY COURSES	3 COMPULSORY COURSES + 3 ELECTIVE COURSES	6 ELECTIVE COURSES	MASTER'S THESIS
(30 ECTS)	(30 ECTS)	(30 ECTS)	(30 ECTS)

MASTER IN SUSTAINABILITY SCIENCE AND TECHNOLOGY: CURRICULUM 2014-15

Subject	Type	Code	Sigles	Course	Responsible faculty	ECTS	YEAR 1		YEAR 2	
							Q1	Q2	Q3	Q4
Economics, Development and Sustainability	Compulsory	480011	EEAE	Fundamentals of Economics, Environmental Economics and Ecological Economics (2)	José M ^a Gil	5	5			
	Compulsory	480012	ENSD	Fundamentals of Engineering, Sustainability and Development	Agustí Pérez Foguet	5	5			
Measurement, Modelling and Systems	Compulsory	480021	MMSS	Fundamentals of Mathematical and Systemic Sustainability Modelling (2)	Martí Rosas	5	5			
	Compulsory	480022	EMSD	Fundamentals of Applied Statistics and Sustainability and Development Measurement	Agustí Pérez Foguet	5	5			
Business, Management and Innovation	Compulsory	480031	EEI	Fundamentals of Ethics, Business and Innovation	Miquel Barceló	5		5		
	Compulsory	480032	GSGA	Fundamentals of Sustainable Management and Environmental Management Systems	Santiago Gassó	5		5		
Sociology, Culture and Participation	Compulsory	480041	CSCS	Fundamentals of Social Sciences and Approaches to Socio-Environmental Conflicts	Miriam Villares	5	5			
	Compulsory	480042	TCTS	Research-Action Workshop on Sustainability Science and Technologies (2)	Jordi Segalàs	5		5		
Natural Sciences and Geographic Information	Compulsory	480051	GSIG	Fundamentals of Geosciences and Geographic Information Systems	Xavier Sánchez-Vila	5	5			
Biodiversity and Natural Resources	Elective	480071	BISS	Biodiversity and Socio-Ecological Systems (2)	Jordi Morató	5			5	
Built Environment and Services	Elective	480083	MTIT	Regional and Transport Infrastructure Metabolism (2)	Francesc Magrinyà	5			5	
	Elective	480081	MUUE	Urban Metabolism and Ecological Urbanism (2)	Francesc Magrinyà	5		5		
Production System and Information	Elective	480091	TIC	Information and Communication Technologies	Eva Vidal	5			5	
	Elective	480092	EI	Industrial Ecology (2)	Joan de Pablo	5			5	
Water Engineering and Technologies	Elective	480111	GICA	Integral Management of Urban and Ecological Water Cycles	Núria Miralles	5		5		
Building and Construction Engineering	Elective	480131	EEE	Energy Efficiency in Building Construction	Albert Cuchí	5		5		
	Elective	480132	MEPC	Building Construction Metabolism and Construction Projects	Albert Cuchí	5		5		
	Elective	480602	ETCE	Construction and building construction engineering and technologies (1) (2)	Miren Etxeberria	5		5		
Engineering Design and Projects	Elective	480152	DSPS	Sustainable Design of Products and Services (2)	Jordi Segalàs	5			5	
Simulation and Decision Making	Elective	480171	XCSE	Complex and Socio-Environmental Networks (2)	Martí Rosas	5			5	
Development Cooperation	Elective	480521	CID	International cooperation and development (1)	Miriam Villares	5			5	
	Elective	480511	DUT	Urban and regional development (1) (2)	Francesc Magrinyà	5			5	
	Elective	480522	PCD	Development cooperation projects (1) (2)	Enric Velo	5			5	
Master's thesis	Project	480000	TFM	Master's thesis		30				30
ECTS						120	30	30	30	30

Elective courses: choose 3 courses at Q2 and 6 at Q3

(1) Master in Technology for Human Development and Cooperation course/s

(2) Language of instruction: english

Last rev: Apr, 29 2014