

ECTS STUDY PROGRAMME 2019-20

IVP 1 - 1ST SEMESTER - S1

Module	SUBJECTS	Departments	N° of 3-hour sessions	ECTS Module	ECTS
Domain Basis 1	Solid Mechanics	DCE/PC	17	11,5	3,5
	Environment	DCE/PEC	9		2
	Project: Impact Study	DCE/PEC	3		1
	Thermic	DCE/PEC	5		1,5
	Acoustic	DCE/PEC	6		1,5
	Urban Forms and Society	DEPA	10		2
Informatics and Fundamental Sciences	Statistical Decisions	DITU	12	8	2,5
	Numerical Analysis	DITU	9		2,5
	Algorithmic and Programming	DITU	7		2
	Computer Networks	DITU	5		1
Enterprise Basis	General Economics	DM	8	4,5	1
	Business Organisation	DM	7		1,5
	Quality	DM	4		1
	Health and Work Safety	DM	4		1
Culture and Languages SEM1	English Culture and Languages	DLCI	7	3	2
	Second Language	DLCI	7		1
	Professional Responsibilities	DM	1	3	3
	Professional Insertion	DM	1		
	Speaking in Public	DM	3		
	Worker Placement Preparation (not for exchange students)	DM	1		
	Worker Placement (not for exchange students)	DM	3 weeks		
	Worker Placement Oral Pres. (not for exchange students)	DM	0		
	Total				

IVP 1 - 2ND SEMESTER - S2

Module	SUBJECTS	Departments	N° of 3-hour sessions	ECTS Module	ECTS
Domain Basis 2	Energy / Climate Project	DCE/PC	13	8	3
	Research & Resilience Week	DCE/PC	8		
	Introduction to circular economy and waste management	DCE/PEDEC	6		
	Fluid Mechanics	DCE/PEDEC	9		
	Law - Notions	DCE/PC	12		
Construction Basis	Urban Soil and Subsoil	DCE/PC	9	8	1
	Materials	DCE/PC	16		2
	ERP Regulations/safety access	DEPA	4		1
	Material Resistance	DCE/PC	17		3
	Architecture	DEPA	6		1
Applied Informatics	Databases	DITU	8	5	1
	Operational Research	DITU	8		1
	C.A.O - D.A.O./ BIM	DITU	12		2
	Databases Project	DCE	2		1
Culture and Languages SEM2	English Culture and Languages	DLCI	12	3	2
	Second Language	DLCI	12		1
	Professional Insertion	DM	2	5	6
	Speaking in Public	DM	2		
	Manager Placement Preparation (not exchange students)	DM	2		
	Manager Placement (not exchange students)	DM	8 weeks		
Total			160	30	30

IVP 2 - 1ST SEMESTER - S3					
Module	SUBJECTS	Departments	N° of 3-hour sessions	ECTS Module	ECTS
Construction	Soils Mechanics	DCE/PC	10	10,5	3
	Foundations	DCE/PC	5,5		1
	Reinforced Concrete	DCE/PC	13		3,5
	RDM refresher course	DCEPC	3		
	Metallic Construction	DCE/PC	7,5		2
	Prestressed Concrete	DCEPC	5,5		1
R & D in Civil Engineering	Autonomy workshops	DCE/PC	7	10	10
	Project methodology and Eurocodes	DCE/PC	2		
	Wood construction	DCE/PC	1		
	Supervised workshops	DCE/PC	19		
Professional Responsibilities	Regulatory and Operational Urbanism	DEPA	12	6,5	2,5
	Construction Economics & BIM	DM	4		0,5
	Team Management	DM	3		1
	Negotiation	DM	1,5		
	Interpersonal Communication	DM	3		0,5
	Operation Management	DM	7		2
Culture and Languages S3	English Culture and Language	DLCI	8	3	2
	Second Language	DLCI	8		1
	Manager Placement Conclusions (not exchange)	DM	0,5		
	Manager Placement Oral Presentation (idem)	DM			
	Study and Research Placement Preparation (idem)	DM			
	Total		120,5	30	30

IVP 2 - 2ND SEMESTER - S4					
Module	SUBJECTS	Departments	N° of 3-hour sessions	ECTS Module	ECTS
Water and Decontamination	Hydrology	DCE/PEDEC	6	11	1
	Potable Water	DCE/PEDEC	11		2,5
	Decontamination	DCE/PEDEC	12		2,5
	Water & Decontamination PROJECT	DCE/PEDEC	12		5
Decision Systems	G.I.S.	DITU	9	8	2
	Decision Information Systems	DITU	9		2
	Informatics PROJECT - Study and Research	DITU	2		4
Public Space Players	Public Space	DEPA	10	8	2
	Urban planning social sciences	DEPA	10		2
	Accounting and Finance	DM	10		2
	Construction management	DM	8		2
Culture and Languages S4	English Culture and Languages	DLCI	6	3	2
	Entrepreneurship and international Seminar	DLCI	8		
	Second Language	DLCI	6		1
	Total		119	30	30

IVP 3 - 1ST SEMESTER - S5						
Module	MATIERES	Departments	N° of 3-hour sessions	ECTS Module	ECTS	
Aménagement Public	Health and urbanism	DCE/PEC	5	13	1	
	Lighting	DEPAM	4		1	
	Landscape	DEPAM	4		1	
	Urban Roads	DEPAM	10		3	
	Transport Planning	DEPAM	8,5		3	
	Traffic and Simulation & Urban Mobility Organisation	DEPAM	12		2	
	GIS/3D	DITU	6		2	
U.S.P.	URBAN SPACE PROJECT	DEPAM	21	10	10	
	MASTERPLANNING PROJECT (intl option)	UPCB	19			
Professional Environment	Consultation	DEPAM	4	4	1	
	Place marketing (intl option)	UPCB				
	Professional Integration Conference	DM	1			
	Public Tenders	DM	8			2
	Public Finances (public option)	DM	4			1
Business Unit Creation (private option)	DM					
Culture and Languages S5	Studies in Urban Planning (study trip)	DLCI	4	3	3	
	S&R and Master's Thesis Preparation	DM	1			
	Total		85,5	30	30	

Courses in English as part of the "Urban Planning and city branding program"

IVP 3 - 2ND SEMESTER - S6				
SUBJECTS	Departments	Duration	ECTS	ECTS
General interest activities (no exchange)	DM		2	2
Study and Research Internship (idem)	DM	12 weeks	9	9
Master's Thesis	DM	18 to 24 weeks	19	19
	Total		30	30
Exchange students will obtain 30 ECTS for the Master's Thesis				