

Topography et Géomatics

Semester 3: Academic degree in Topography and Geomatics

Teaching unit	Subject title	Credit	Coefficient	Lessons	Dw	Pw	HVS (15 weeks)
UE Fondamentale	Topography	5	3	1h30	1h30		45h00
	Hydrology	4	3	1h30	1h30		45h00
UE Fondamentale	Mathematical tools 1	4	2	1h30	1h30		45h00
	Planning and urban development tools	4	2	1h30	1h30		45h00
Methodological EU	Remote sensing 1	5	2	1h30		1h30	45h00
	Geographic Information Systems 1	4	2	1h30		1h30	45h00
EU Discovery	Analysis of cartographic documents	2	2	1h30	1h30		22h30
	Economy	1	1	1h30			22h30
Transversal EU	Language 3	1	1	1h30			22h30

Semester 4: Academic degree in Topography and Geomatics

Teaching unit	Code	Subject title	Credits	Coefficient	V.H Weekly			HVS (14 weeks)
		Subject title			lessons	Dw	Pw	
Fundamental EU 1	F411	Topometry 1	8	4	1h 30	1 h 30	3 h	84
	F412	Geodesy 1	5	2	1h 30	1h 30		45
Fundamental EU 2	F421	Photogrammetry 1	5	2	1h 30	1h 30		45
Methodological EU	M411	SGBD	3	2	1h 30	1h 30		45
	M412	Mathematical tools 2	3	2	1h 30	1h 30		45
EU Discovery	D411	DAO (2D/3D)	3	2			3 h	45
	D412	Soil mechanics	2	1	1h 30			22.5
Transversal EU	T411	Language 4	1	1	1h 30			22.5

Semester 5: Academic degree in Topography and Geomatics

Teaching unit	Code	Subject title	Credits	Coefficient	V.H Weekly			HVS (14 weeks)
		Subject title			lessons	Dw	Pw	
Fundamental EU 1	F511	Topometry 2	8	4	1 h 30	1 h 30	3 h	84
	F512	Geodesy 2	5	2	1 h 30	1 h 30		45
Fundamental EU 2	F521	Photogrammetry 2	4	2	1h 30	1h 30		45
	F522	Remote sensing 2	4	2	1 h 30		1 h 30	45
Methodological EU	M511	Algebra and matrix calculus	3	2	1 h 30	1 h 30		45
	M511	Road earthworks	3	2	1 h 30		1 h 30	45
EU Discovery	D512	Risks and vulnerabilities	2	1	1 h 30			22.5
Transversal EU	T511	Language 5	1	1	1 h 30			22.5

Semester 6: Academic degree in Topography and Geomatics

Teaching unit	Code	Subject title	Credits	Coefficient	V.H Weekly			HVS (14weeks)
					lessons	Dw	PW	
Fundamental EU 1	F611	Topometry 3	8	4	1 h 30	1 h 30	3 h	84
	F612	Small projet	5	2			3 h	84
Fundamental EU 2	F621	Geographic Information System 2	4	2	1 h 30		1 h 30	45
	F622	Land law and cadastre	4	2	1 h 30		1 h 30	45
Methodological EU	M611	Internship in a professional environment	3	2				45
	M612	Civil engineering of various networks	3	2	1 h 30	1 h 30		45
EU Discovery	D611	Project planning and HSE	2	1	1 h 30			22.5
Transversal EU	T611	Ethics and professional conduct	1	1	1 h 30			22.5

