

CURRICULUM
FIELD: ENVIRONMENTAL SCIENCES
Master programme – INTEGRATED ENVIRONMENTAL ASSESSMENT
Form of education – with frequency
Year I 2020-2021

No	Course name	Hours				Credits			Examination	
		Sem. I		Sem. II		Sem. I	Sem. II	Total	Sem. I	Sem. II
		C	LP/S	C	LP/S					
MANDATORY COURSES										
1.	Structural and functional landscape modelling	2	2			5		5	E	
2.	Project management	2	1			4		4	V	
3.	Geopolitics and environment	2	1			3		3	C	
4.	Statistics applied to environmental evaluation	1	2			5		5	E	
5.	Techniques for elaboration of documents and environmental research ethics			1	2		4	4		V
6.	Multicriteria environmental assessment			2	2		5	5		C
7.	Using GIS analysis methods in integrated environmental assessments			1	3		5	5		E
8.	Fundaments of biodiversity conservation			2	1		5	5		E
OPTIONAL COURSES										
1.	Environmental institutions and elements of legislation*	1	1			4		4	V	
	Institutional environmental mechanisms with elements of legislation*	1	1			4		4	V	
2.	Methods for environmental data collection*	2	2			4		4	E	
	Environmental balances*	1	2			4		4	E	
3.	Territorial planning and environment*			1	1		3	3		C
	Environmental organization and territorial management*			1	1		3	3		C
4.	Strategies for rehabilitation of degraded environments*			1	1		3	3		E
	Wastes management impact assessment*			1	1		3	3		E
PRACTICE										
1.	Professional practice – developing skills for using GIS tools (ArcGIS/Geomedia) in environmental assessments (6 hours/week = 84 hours/semester)		6			5		5	C	
2.	Professional practice – developing skills in using field equipment and analysis methods for environment and landscape (3 hours/week = 42 hours/semester)				3		2	2		C
3.	Practice for the dissertation paper (28 hours/semester)				2		3	3		C
FACULTATIVE COURSES										
1.	Environmental research ethics	1	1			2		2	V	
2.	Facultative professional practice Methodology for environmental research in natural areas (2 hours/week = 28 hours/semester)		2		2	6	3	3	C	C
3.	Volunteering activities		2		2	6	3	3	C	C
4.	Facultative professional practice European institutions				3		4	4		C
5.	Applications in urban ecology		2		2	3	3	6	C	C
6.	Practical activities **		2		2	2	2	4	C	C
Total (without facultative courses and practice)		10	9	8	10	30	30	60	2E, 2C, 3V	2E, 2P, 3C
* One of the two courses will be picked										
** Hours can be cumulative.										

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Year II

No	Course name	Hours				Credits			Examination	
		Sem. I		Sem. II		Sem. I	Sem. II	Total	Sem. I	Sem. II
		C	LP/S	C	LP/S					
MANDATORY COURSES										
1.	Remote sensing in environmental impact assessment	1	2			4		4	E	
2.	Climate changes and environmental impacts	1	1			5		5	E	
3.	Integrated environmental management. Environmental audit.	2	2			5		5	E	
4.	Using landscape metrics in environmental studies	1	2			4		4	V	
5.	Applied geostatistics			1	2		5	5		V
6.	Human perturbances of major biogeochemical cycles			1	2		5	5		E
7.	Standards and norms used in public administration			2	2		4	4		C
OPTIONAL COURSES (minimum 2 courses)										
1.	Marketing and communication in environmental problems *	1	1			3		3	V	
	Social management of the environment *	1	1			3		3	V	
2.	Green infrastructures and techniques *	2	1			3		3	C	
	Environmental dysfunctions in urban and rural ecosystems *	2	1			3		3	C	
3.	Environmental sustainability assessment *			1	1		3	3		E
	Landscape integration in environmental impact assessment *			1	1		3	3		E
4.	Management of natural protected areas *			1	2		4	4		E
	Environmental risk assessment *			1	2		4	4		E
PRACTICE										
1.	Professional practice – laboratory methods in environmental impact assessment (3 hours/week = 42 hours/semester)		3			6		6	C	
2.	Practice for the dissertation paper – field work (3 hours/week = 42 hours/semester)				3		9	9		C
FACULTATIVE COURSES										
1.	Environmental vulnerability	1	2			3		3	C	
2.	Professional practice in institutions (3 hours/week = 42 hours/semester)		3			3		3	C	
3.	English in environmental research			1	2		3	3		V
4.	Practical activities**		2			2		2	C	
Total (without facultative courses and practice)		8	9	8	9	30	30	60	3E, 1C, 2V	3E, 1C, 1P
* One of the two courses will be picked										
** Hours can be cumulative.										