

**CURRICULUM 2020-2021**  
Field: Environmental Sciences  
**Bachelor programme: Environmental Geography**  
Form of education – with frequency  
Year of study: I

No	COURSE NAME		TYPE		HOURS						CREDITS			EXAMINATION	
					Sem I			Sem II			Sem I	Sem II	Total	Sem I	Sem II
SEM I		SEM II		I	II	C	S	L	C	S					
<b>A. Fundamental courses</b>															
1.	General physic geography	General human geography	Ob	Ob	2	1	-	1	1	-	4	3	7	E	E
2.	Environmental physics	Environmental chemistry	Ob	Ob	1	-	1	2	-	1	3	4	7	V	C
3.	General Geology	Introduction to environmental science	Ob	Ob	1	-	2	2	-	2	3	5	8	E	C
4.	Meteorology	Climatology	Ob	Ob	2	-	2	2	-	1	4	3	7	E	E
5.	Hydrology	Oceanography	Ob	Ob	2	-	2	2	1	-	3	2	5	E	E
6.	-	Hydrochemistry	F	F	-	-	-	1	-	1	-	2	2	-	V
<b>B. Specialization courses</b>															
1.	Plants biology	Animal biology	Ob	Ob	1	-	1	1	-	1	3	3	6	V	V
2.	Topography	Cartography	Ob	Ob	1	-	2	2	-	2	3	3	6	E	E
3.	Environmental sociology	GIS	Ob	Ob	1	-	1	2	-	2	3	3	6	C	V
4.	Multimedia techniques	Ethics in environmental research	F	F	1	-	1	1	-	1	2	2	4	V	V
<b>C. Complementary courses</b>															
1.	Introduction to environmental statistics		Ob	Ob	1	-	1	-	-	-	2	-	2	C	-
2.	Economic geography	-	Ob	-	2	-	-	-	-	-	2	-	2	C	-
3.	Foreign language	Foreign language	F	F	-	2	-	-	2	-	2	2	4	V	V
4.	Physical education	Physical education	F	F	-	-	2	-	-	2	2	2	4	-	V
5.	General chemistry	Philosophy	F	F	1	-	1	1	-	1	2	2	4	V	V
6.	Facultative practice	Facultative practice	F	F	-	-	2	-	-	2	2	2	4	V	V
<b>D.</b>	<b>Field practice (5 days x 8 hours + 2 hours examination = 42 hours)</b>		-	Ob	-	-	-	-	-	3	-	4	4	-	C
<b>TOTAL Hours, Credits, Examination (without F – facultative courses)</b>					14	1	12	14	5	6	30	30	60	5E, 3C, 2V	5E, 2C, 2V

RECTOR,  
Professor Marian PREDA

DEAN,  
Professor Alexandru NEDELEA

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Year of study: II

No	COURSE NAME		TYPE		HOURS						CREDITS			EXAMINATION		
					Sem I			Sem II			Sem I	Sem II	Total	Sem I	Sem II	
SEM I		SEM II		I	II	C	S	L	C	S						L
<b>A. Fundamental courses</b>																
1.	Soil science	Land degradation		Ob	Ob	2	-	2	1	-	1	4	3	7	E	C
2.	General ecology	Introduction to landscape ecology		Ob	Ob	1	-	1	1	-	1	3	3	6	V	C
3.	Remote sensing	Continental biomes		Ob	Ob	2	-	2	2	-	2	4	3	7	E	E
4.	Environmental economics			Ob		2	1	-	-	-	-	3	-	3	C	-
5.	-	Environmental pollution *		Opt	Opt	-	-	-	2	-	1	-	3	3	-	E
	-	Environmental physical, chemical and biological pollution *		Opt	Opt	-	-	-	2	-	1	-	3	3	-	E
6.	Clean technologies	Decontamination technologies		F	F	1	-	1	1	-	1	2	2	4	V	V
<b>B. Specialization courses</b>																
SEM I		SEM II														
1.	General geomorphology	Dynamic geomorphology		Ob	Ob	2	2	-	2	-	2	4	3	7	E	E
2.	Hydrobiology*	Sustainable wastes management*		Opt	Opt	2	2	-	2	-	1	4	3	7	E	C
	Aquatic ecology*	Integrated wastes management*		Opt	Opt	2	2	-	2	-	1	4	3	7	E	C
3.	-	Field methods of environmental research*		-	Opt	-	-	-	1	-	1	-	3	3	-	C
	-	Professional ethics and deontology*		-	Opt	-	-	-	1	-	1	-	3	3	-	C
5.	Hydrogeology	Sampling and analyses of environmental samples		F	F	1	-	1	-	-	2	2	2	4	-	V
<b>C. Complementary courses</b>																
SEM I		SEM II														
1.	Environmental systemic analysis	Dynamic of European environments		Ob	Ob	2		2	2		2	4	3	7	E	E
2.	Geography of population*	Geography of human settlements*		Opt	Opt	2		2	2		1	4	2	6	E	C
	Geographical demography*	Geography of human habitats*		Opt	Opt	2		2	2		1	4	2	6	E	C
3.	Physical education	Physical education		F	F	-	-	2	-	-	2	2	2	4	-	V
4.	Foreign language	Foreign language		F	F	-	2	-	-	2	-	2	2	4	V	V
5.	Facultative practice	Facultative practice		F	F	-	-	2	-	-	2	2	2	4	V	V
<b>D.</b>	<b>Field practice (2 weeks – 84 hours);</b>			-	Ob	-	-	-	-	-	9	-	4	4	-	C
TOTAL Hours, Credits, Examination (without F – facultative courses)						<b>15</b>	<b>5</b>	<b>9</b>	<b>15</b>	<b>-</b>	<b>12</b>	<b>30</b>	<b>30</b>	<b>60</b>	<b>6E,1C,1V</b>	<b>4E,5C</b>
* One course of the two will be selected.																

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No	COURSE NAME		TYPE		HOURS						CREDITS			EXAMINATION		
					Sem I			Sem II			Sem I	Sem II	Total	Sem I	Sem II	
SEM I		SEM II		I	II	C	S	L	C	S						L
<b>A. Fundamental courses</b>																
1.	Environmental geography	Environmental impact assessment		Ob	Ob	2	2		2	2	-	5	4	9	E	E
2.	Environmental legislation	-		Ob	Ob	2	2		-	-		4	-	4	E	-
3.	Romania – physical geography	Regional environments of the Earth		Ob	Ob	2	2	-	2	1	-	4	4	8	E	E
4.	Natural and anthropic risks assessment*	Global environmental changes*		Opt	Opt	2	-	2	2	-	2	4	4	8	E	V
	Management of natural and anthropic risks*	Sustainable development*		Opt	Opt	2	-	2	2	-	2	4	4	8	E	V
5.	Landscape dynamic and management	Environmental health risks		F	F	1	-	1	1	1	-	2	2	4	V	V
<b>B. Specialization courses</b>																
SEM I		SEM II														
1.	Integrated environmental monitoring	Renewable resources and energies		Ob	Ob	2	2	-	2	-	1	5	4	9	E	E
2.	Environmental conflicts*	Environmental conservation*		Opt	Opt	2	2	-	2	2	-	4	4	8	C	E
	Human ecology*	Protected Areas*		Opt	Opt	2	2	-	2	2	-	4	4	8	C	E
3.	Field practice – use of field equipment	-		F	-	2	-	2	-	-	-	2	-	-	V	-
<b>C. Complementary courses</b>																
SEM I		SEM II														
1.	Romania – human geography	Romania – economic geography		Ob	Ob	2	1	-	2	1	-	4	3	7	E	E
2.	-	Management of urban and rural environment*		Opt	Opt				1	1	-	-	4	4		C
	-	Management of human settlements*		Opt	Opt				1	1	-	-	4	4		C
3.	Geography of the Quaternary	-		F	-	2	-	1	-	-	-	2	-	2	V	-
<b>D. Practice: Elaboration of bachelor paper (4 hours/week)</b>				Ob	Ob						4		3	3	-	C
TOTAL Hours, Credits, Examination (without F – facultative courses)						<b>14</b>	<b>11</b>	<b>2</b>	<b>13</b>	<b>7</b>	<b>3</b>	<b>30</b>	<b>30</b>	<b>60</b>	<b>6E, 1C</b>	<b>5E, 1V, 1C</b>

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