Załącznik nr 1 do Uchwały senatu Nr XXV-14.9/22 z dnia 23 lutego 2022 r.

Plan studiów obowiązujący od roku akademickiego 2022/2023

Field of study: **Sustainability Management**
Level of study: Bachelor's degree
Study profile: Academic
Form of studies: full-time

Lp.	Name of the module (course)	ECTS	Hours (total)						Year I														Year II													Year III											
				Type of classes					1							2							3							4						5							6					
			Sum	WY	CA	LB	KW	SM	WY	CA	LB	KW	SM	Exam form	ECTS	WY	CA	LB	KW	SM	Exam form	ECTS	WY	CA	LB	KW	SM	Exam form	ECTS	WY	CA	LB	KW	SM	Exam form	ECTS	WY	CA	LB	KW	SM	Exam form	ECTS	WY	CA	LB	KW	SM	Exam form	ECTS
	Obligatory modules/courses - A																																																	
1	Introduction to Sustainable Development	1	15	15					15					Zo	1																																				
2	Population and Sustainability BN	2	30	15			15		15			15		Zo	2																																				
3	Models of Economic Growth and Development BN	2	30	15			15		15			15		Zo	2																																				
4	International Partnership for Environmental Protection	2	30	15		15			15		15			Zo	2																																				
5	Earth System Dynamics BN	5	60	30			30		30			30		E	5																																				
6	Nature Conservation and Restoration BN	3	30	15		15			15		15			Zo	3																																				
7	Project Management	3	30	15			15		15			15		Zo	3																																				
8	Fundamentals of Management BN	2	45	15	15		15		15	15		15		Zo	2																																				
9	Environmental Pollution Analysis (geo- and biomonitoring) BN	4	30			30					30			Zo	4																																				
10	Global and Local Biodiversity BN	4	60	30		30			30		30			E	4																																				
11	Land and Marine Key Ecosystems BN	4	60	15		45										15		45			E	4																													
12	Ecosystem Services BN	3	30	15			15									15			15		Zo	3																													
13	Sustainable Development Policies	2	30	15			15									15			15		Zo	2																													
14	Introduction to GIS BN	5	45	15		30										15		30			Zo	5																													
15	Sustainable Agriculture	4	45	15		30										15		30			Zo	4																													
16	Sustainable Buildings	4	45	15		30										15		30			Zo	4																													
17	GIS for Environmental Analysis BN	5	45	15			30																15			30		Zo	5																						
18	Environmental Chemistry BN	5	45	15			30																15			30		Zo	5																						
19	Global Climate Change BN	4	45	15			30																15			30		E	4																						
20	Local Goverment Finance and Investment	2	30	15			15																15			15		Zo	2																						
21	Spatial Planning for Sustainable Development BN	3	30	15			15																15			15		Zo	3																						
22	Physical Education and Sport	0	60				60																			30		Zo	0			30		Zo	0																
23	Natural Hazards BN	3	30	15			15																							15			15		Zo	3																
24	Water Global Crisis BN	4	45	15		30																								15		30			E	4																
25	Sustainable Use of Soils BN	3	30	15		15																								15		15			E	3																
26	Mineral Resources and Management	3	30	15			15																														15			15		E	3								
27	Market-based Instruments for Environmental Management	2	30	10			20																														10			20		Zo	2								
28	Assessments for Sustainable Development	5	45	15			30																																					15			30		E	5
29	Modelling and Simulation for Environmental Change Analysis	4	30			30																																								30			Zo	4
30	Foreign Language	8	120				120												30		Zo	2				30		Zo	2				30			2				30		E	2								
	Sum A	**101**	**1230**	**415**	**15**	**300**	**500**	**0**	**165**	**15**	**90**	**90**	**0**	**2E**	**28**	**90**	**0**	**135**	**60**	**0**	**1E**	**24**	**75**	**0**	**0**	**180**	**0**	**1E**	**21**	**45**	**0**	**45**	**75**	**0**	**2E**	**12**	**25**	**0**	**0**	**65**	**0**	**2E**	**7**	**15**	**0**	**30**	**30**	**0**	**1E**	**9**
	Elective modules/courses - B																																																	
	Thematic tracks - choice 3 out of 6 *	36	**360**																						60			Zo	6			60			Zo	6			120			Zo	12			120			Zo	12
	Sustainable Agriculture and Food Production	**12**	**120**																																															
31	Remote Sensing for Sustainable Agriculture (w**) BN	3	30	15		15																																												
32	Forest Management in Sustainable Society (w)	3	30	15			15																																											
33	Innovations in Biotechnology for Food Production (s)	3	30	15			15																																											
34	Sustainable Farming Practices (s)	3	30	15			15																																											
	Sustainable Urban Development	**12**																																																
35	Sustainable Architecture and Urban Planning (w)	3	30	15		15																																												
36	Social Inclusion and Participation **(w)**	3	30	15			15																																											
37	Adaptation for Climate Change (s) BN	3	30	15			15																																											
38	Innovative urban services and infrastructure (s)	3	30	15		15																																												
	Tourism and sustainability	**12**																																																
39	Tourism Development: Conflicts and Transformations (w) BN	3	30	15			15																																											
40	Environmental Ethics and Tourism Behaviour (w)	3	30	15			15																																											
41	Sustainable Heritage Management (s)	3	30	15			15																																											
42	Sustainable tourism in Sensitive Areas (s)	3	30	15			15																																											
	Ecosystem Services for Sustainable Governance	**12**																																																
43	Ecosystem and Landscape Management (w)	3	30	15		15																																												
44	Mapping Ecosystem Services (w) BN	3	30	15		15																																												
45	Valuation of Ecosystem Services (s)	3	30	15		15																																												
46	Nature-based Solutions for Urban Ecosystems (s)	3	30	15			15																																											
	Energy and Technology in Sustainable Environment	**12**																																																
47	Green Energy (w)	3	30	15			15																																											
48	Circular Economy (w) BN	3	30	15			15																																											
49	Bio-waste Management (s)	3	30	15			15																																											
50	Innovations for Sustainable Development (s)	3	30	15			15																																											
	Crisis and Disaster Management	**12**																																																
51	Risk Assessment in Crisis Management (w)	3	30	15			15																																											
52	Tools and Technics for Crisis Management (w)	3	30	15			15																																											
53	Security of Critical Infrastructure (s)	3	30	15			15																																											

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