



# ЛЕСОТЕХНИЧЕСКИ УНИВЕРСИТЕТ

София, 1797, бул. „Св. Климент Охридски” №10 тел/факс: (+ 359 2) 868 08 04

## Учебен план на специалността “ЕКОЛОГИЯ И ОПАЗВАНЕ НА ОКОЛНАТА СРЕДА”

### CURRICULUM ECOLOGY AND ENVIRONMENTAL PROTECTION

Code	№	Courses	Status	Lectures	Seminars	ECTS
1	2	3	4	5	6	7
ELA 101	1	Climatology	O	30	30	7
ELA 102	2	Geology and petrography	E	30	15	5
WWI 603	3	Mathematics - I	O	30	30	6
ELA 411	4	Hydrology	E	30	15	5
FOR 508	5	Microbiology	O	45	30	7
ELA 404	6	Inorganic and Organic Chemistry	O	60	45	7
FOR 105	7	Botany	O	45	45	8
ABM 506	8	Foreign language	E		120	4
AGR707	9	Physical Training	O		120	0
FOR 110	10	Phytocoenology	O	30	15	5
ABM 412	11	Informatics	O	30	30	4
WWI 615	12	Physics and Biophysics	O	30	30	4
ABM 309	13	BLOK I - SEMESTER - II	OP	15	15	2
ELA 413	14	Analytical Chemistry	O	30	30	6
ELA 414	15	Biochemistry	O	30	30	6
FOR 417	16	Zoology	O	45	45	8
FOR 525	17	Soil Science, Soil Pollution and Impact on Ecosystems	O	60	60	9
FOR 122	18	Ecological Physiology of Plants	E	45	30	7
++	19	BLOK II - SEMESTER - III	OP	15	15	3
FOR 118	20	Preservation of Flora	O	30	15	4
FOR 421	21	Conservation of Fauna	O	30	15	4
FOR 124	22	Dendrology	E	30	30	4
ELA 123	23	Basics of Genetics	O	30	15	3
++	24	BLOK III - SEMESTER - IV	OP	30	15	2
ELA 126	25	Ecology	O	60	60	9
ELA 131	26	Air Pollution and Effect on Ecosystems	O	45	45	8
ELA 230	27	Landscape Protection	E	30	30	5

FOR 316	28	Photogrammetry and Remote Sensing and Geodesy	E	45	30	6
ELA 440	29	Water Pollution and Impact on Ecosystems	O	45	45	8
++	30	BLOK IV - SEMESTER - V	OP	30	15	3
ELA 232	31	Basics of Urban and Regional Planning	E	30	15	4
ELA 333	32	Plant Protection	E	45	30	5
ELA 135	33	Erosion and Torrent Control	E	30	45	5
FOR 229	34	Silviculture Basics	E	30	15	3
++	35	BLOK V - SEMESTER - VI	OP	15	15	1
ELA 148	36	Biostatistics	E	30	15	3
ELA 134	37	Technology to Restore Damaged Soils and Terrain	O	45	30	6
ELA 136	38	Urban Ecology	E	30	30	4
ELA 138	39	Technologies for Processing solid waste	O	45	45	7
ELA 141	40	Protected Areas	O	30	30	5
ELA 145	41	Ecological Monitoring	O	30	45	5
++	42	BLOK VI - SEMESTER - VII	E	30	15	3
ELA 143	43	Technologies for Fluid Purification	O	45	30	6
FOR 344	44	Basics of Forest Management and Forest measurement	E	30	30	4
ABM 142	45	Environmental Protection, Economics and Management	O	30	15	3
++	46	BLOK VII - SEMESTER - VIII - 45 hrs	OP	30	15	2

<b>SEMESTAR - DIPLOMA PROGECT OR A STATE EXAM*Of</b>	
Development and Presenting of Diploma Progect	10
State Examination	5
	15
Number of Semester Exams - 30	
Total Number of Credits from Courses - 225	
Total Appropriations for Training - 240	

\*Students with average grade of studies higher than B (4.50) may choose state exam or thesis defense as well.

BLOK I - SEMESTER - II - 30 hrs  
 ABM 309/1 Philosoph/ General  
 ABM 309/2 1 Economic Theory

BLOK II - SEMESTER - III - 30 hrs  
 AGR 337/ Basics of Agriculture/  
 ELA 151 1 Bioklimatologiya

BLOK III - SEMESTER - IV - 45 hrs  
 WWI 427/ Protection from naise and vibrations/  
 WWI 428 1 Electromagnetic radiation in the environment

BLOK IV - SEMESTER - V - 45 hrs



## Curriculum

### Of the Master Program Restoration of the Environment and Environmental Monitoring

Code	№	Courses	Status	Lectures	Seminars	ECTS
1	2	3	4	5	6	7
ELA 101	1	Research approaches and practical skills in ecology	O	30	15	4
ELA 102	2	Modeling in Ecology	O	30	30	5
ELA 103	3	Protection of Biodiversity Ecological Network	O	60	60	10
ELA 104	4	Ecological Policy	O	30		2
ABM 133	5	Communication skills	O	30		2
ABM 405	6	Informatics	O	15	15	2
ELA 118	7	Abiotic Monitoring	O	60	60	10
ELA 119	8	Biological Monitoring	O	45	45	6
ELA 115	9	Land Reclamation	E	30	15	4
ELA 117	10	Assessment of Anti-Erosion activities	E	15	30	3
ELA 120	11	Sustainable Tourism	E	45	45	6
ELA 122	12	Sustainable management of land use	OP	30	15	3
FOR 216	13	Protection stands	OP	15	15	2
ELA 321	14	Integrated systems for plant protection	OP	30	15	3
ABM 129	15	GIS-systems	OP	30	30	4
ELA 130	16	Development and Project Management	OP	15	30	3
ABM 124	17	Public relations	OP	30		2
ELA 125	18	Present climate changes	OP	30		2
ABM 526	19	Foreign language - optional	OP		60	4

Number of Semester Exams - 30

Develop a diploma project - 15

Protection a diploma work - 15

Total chalk - 90

## Curriculum

### Of the Master Program Urban Ecology

Code	№	Courses	Status	Lectures	Seminars	ECTS
1	2	3	4	5	6	7
ELA 101	1	Research approaches and practical skills in ecology	O	30	15	4
ELA 102	2	Modeling in Ecology	O	30	30	5
ELA 103	3	Protection of Biodiversity Ecological Network	O	60	60	10
ELA 104	4	Ecological Policy	O	30		2

ABM 133	5	Communication skills	O	30		2
ABM 405	6	Informatics	O	15	15	2
ELA 107	7	Management of Municipality Wastes	O	45	15	5
ELA 108	8	Air Quality Management	O	30	15	4
ELA 206	9	Contemporary Urban and Regional Planning	E	30	30	5
ELA 123	10	Climatic and bioclimatic changes in the urban environment	E	15	15	2
ELA 309	11	Water supply in Populated Areas	E	30	15	4
ELA 110	12	Management of soil resources in settlement systems	E	30	30	5
FOR 526	16	Microbiological environmental control	E	30	15	4
ELA 322	13	Sustainable management of land use	OP	30	15	3
ELA 312	14	Pathology of plants	OP	30	15	3
ELA111	15	Hydromelioration in Settlements	OP	30		2
ABM 129	17	GIS – systems	OP	30	30	4
ELA 130	18	Development and Project Management	OP	15	30	3
ABM 124	19	Public relations	OP	30		2
ELA 125	20	Present climate changes	OP	30		2
ABM 526	21	Foreign language - optional	OP	60		4

Number of Semester Exams - 30

Develop a diploma project - 15

Protection a diploma work - 15

Total chalk - 90

## Curriculum Of the Master Program Ecotourism

Code	№	Courses	Status	Lectures	Seminars	ECTS
1	2	3	4	5	6	7
ELA 101	1	Research approaches and practical skills in ecology	O	30	15	4
ELA 102	2	Modeling in Ecology	O	30	30	5
ELA 103	3	Protection of Biodiversity Ecological Network	O	60	60	10
ELA 104	4	Ecological Policy	O	30		2
ABM 133	5	Communication skills	O	30		2
ABM 405	6	Informatics	O	15	15	2.5
ELA 125	7	Sustainable Tourism	O	30		2
ELA 126	8	Alternative Tourism	O	30	30	4.5
ELA 124	9	Tourist Resources	O	30	30	4.5
ABM 131	10	Strategic management of the tourist company	E	30	30	4
ELA 127	11	Ecotourism in protected areas	E	30	30	4
ELA 128	12	Tourism and Cultural Heritage	E	30	30	4
ELA 429	13	Spatial areas for recreational activities	E	30		2
ABM 130	14	Marketing and advertising in tourism	E	30	30	4
ABM 132	15	Social psychology and tourist behavior	OP	30		2

ABM 129	16	GIS – systems	OP	30	30	4
ELA 130	17	Development and Project Management	OP	15	30	3
ABM 124	18	Public relations	OP	30		2
ELA 125	19	Present climate changes	OP	30	30	2
ABM 526	20	Foreign language - optional	OP		60	4

Number of Semester Exams - 30
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Develop a diploma project - 15
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Protection a diploma work - 15
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Total chalk - 90
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