

**INTERNATIONAL UNIVERSITY TRAVNIK
FACULTY OF ECOLOGY
TRAVNIK**

**CURRICULUM AND
PROGRAM
for the I cycle**

**APPLIED ECOLOGY –
ENVIRONMENTAL PROTECTION -**

Academic year 2022/2023

Travnik, 2022.

Model:

Major: APPLIED ECOLOGY

Ordinal number	Subject	Number of hours	ECTS
And the			
1.	Ecology	3+2	6
2.	Preservation of biodiversity	3+2	6
3.	Computer science	3+2	7
4.	Environmental management	3+2	6
5.	Mathematics	3+2	5
Total ECTS I semester			30
II semester			
6.	Environmental chemistry	3+2	5
7.	Environmental law	3+2	5
8.	Statistics	3+2	7
9.	Basics of environmental protection	3+2	7
10.	Elective subject I	3+2	6
Total ECTS II semester			30
Total ECTS I year			60

Regular number	Subject	Number of hours	ECTS
III semester			
11.	English language	3+2	6
12.	Physical pollution of the environment	3+2	7
13.	Ecological economy	3+2	6
14.	Ecology and traffic	3+2	5
15.	Elective subject II	3+2	6
Total ECTS III semester			30
IV semester			
16.	Waste management	3+2	5
17.	Water management	3+2	6
18.	Ecological instruments of environmental protection	3+2	6
19.	Practical exercises in environmental protection	3+2	7
20.	Elective subject III	3+2	6
Total ECTS IV semester			30
Total ECTS II year			60

Regular number	Subject	Number of hours	ECTS
V semester			
21.	Basics of toxicology	3+2	5
22.	Transformation and transport of hazardous materials	3+2	6
23.	Social ecology	3+2	7
24.	Corporate and social responsibility	3+2	6
25.	Optional subject IV	3+2	6
Total ECTS V semester			30
VI semester			
26.	Renewable sources of energy	3+2	6
27.	Protection of natural resources and monitoring	3+2	6
28.	Optional subject V	3+2	6
29.	FINAL WORK		12
Total ECTS VI semester			30
Total ECTS III year			60

Ordinal number	Subject	Number of hours	ECTS
Elective subject I			
1.	Quantitative methods	3+2	6
2.	Benchmarking	3+2	6
3.	Ecological entrepreneurship	3+2	6
Elective subject II			
1.	Metrology and regulation in environmental protection	3+2	6
2.	Global ecology	3+2	6
Elective subject III			
1.	Economic instruments of environmental protection	3+2	6
2.	Warning and rescue from accidents	3+2	6
Optional subject IV			
1.	Accidents in the environment	3+2	6
2.	Data processing and analysis	3+2	6
Optional subject V			
1.	Environmental ethics for engineers	3+2	6
2.	Basics of environmental engineering	3+2	6

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ENVIRONMENTAL PROTECTION -

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Travnik, 2022.

Model:

Major: ENVIRONMENTAL

Ordinal numbe	Subject	Number of hours	ECTS
And the			
1.	Ecology	3+2	6
2.	Preservation of biodiversity	3+2	6
3.	Computer science	3+2	7
4.	Environmental management	3+2	6
5.	Mathematics	3+2	5
Total ECTS I semester			30
II semester			
6.	Environmental chemistry	3+2	5
7.	Environmental law	3+2	5
8.	Statistics	3+2	7
9.	Basics of environmental protection	3+2	7
10.	Elective subject I	3+2	6
Total ECTS II semester			30
Total ECTS I year			60

Regular numbe	Subject	Number of hours	ECTS
III semester			
11.	English language	3+2	6
12.	Physical pollution of the environment	3+2	7
13.	Ecological economy	3+2	6
14.	Ecology and traffic	3+2	5
15.	Elective subject II	3+2	6
Total ECTS III semester			30
IV semester			
16.	Waste management	3+2	5
17.	Water management	3+2	6
18.	Ecological instruments of environmental protection	3+2	6
19.	Practical exercises in environmental protection	3+2	7
20.	Elective subject III	3+2	6
Total ECTS IV semester			30
Total ECTS II year			60

Regular numbe	Subject	Number of hours	ECTS
V semester			
21.	Basics of toxicology	3+2	5
22.	Transformation and transport of hazardous materials	3+2	6
23.	Social ecology	3+2	7
24.	Corporate and social responsibility	3+2	6
25.	Optional subject IV	3+2	6
Total ECTS V semester			30
VI semester			
26.	Renewable sources of energy	3+2	6
27.	Protection of natural resources and monitoring	3+2	6
28.	Air protection systems	3+2	6
29.	Principles of biotechnology	3+2	6
30.	Optional subject V	3+2	6
Total ECTS VI semester			30
Total ECTS III year			60

Regular numbe	Subject	Number of hours	ECTS
VII semester			
31.	Environmental management of production systems	3+2	6
32.	Engineering in environmental protection	3+2	5
33.	Regulation of new access to the EU market	3+2	7
34.	Data processing and analysis	3+2	6
35.	Optional subject VI	3+2	6
Total ECTS VII semester			30
VIII semester			
36.	Product safety	3+2	6
37.	Environmental ethics for engineers	3+2	6
38.	Optional subject VII	3+2	6
39.	FINAL WORK		12
Total ECTS VIII semester			30
Total ECTS IV year			60

Ordinal number	Subject	Number of hours	ECTS
Elective subject I			
1.	Quantitative methods	3+2	6
2.	Benchmarking	3+2	6
Elective subject II			
1.	Metrology and regulation in environmental protection	3+2	6
2.	Strategic management in environmental protection	3+2	6
Elective subject III			
1.	Ecological entrepreneurship	3+2	6
2.	Economic instruments of environmental protection	3+2	6
Optional subject IV			
1.	Accidents in the environment	3+2	6
2.	Environmental monitoring	3+2	6
Optional subject V			
1.	Economics of sustainable development	3+2	6
2.	Marketing with ecology	3+2	6
Optional subject VI			
1.	Innovation technology in agriculture	3+2	6
2.	Public relations	3+2	6
Optional subject VII			
1.	European standards and quality system management	3+2	6
2.	Management of investments and projects	3+2	6