



TECHNICAL UNIVERSITY IN ZVOLEN
Faculty of Ecology and Environmental Sciences
Study programme: **landscape use and protection**

Field of Study:	Ecological and Environmental Sciences
Degree of study:	Third
Study form:	full-time
Standard length of study:	4 academic years
Academic degree awarded:	Philosophiae Doctor (abbreviated "PhD.")
The person responsible for SP quality:	prof. Ing. Vladimír Kunca, PhD.

RECOMMENDED STUDY PLAN

*Mandatory courses * (P)*

Course code	Course name	Credits	Lectures / seminars	Recommended year	Completion of the course	Conditionals courses (code)	Responsible person for the course (title, surname)	Course code
D-APOP	Current problems of nature, landscape and natural resources protection	7	26/0	1-2	exam		prof. Škvareninová	Yes
D-ESZI	Ecosystem services and green infrastructure	7	26/0	1-2	exam		doc. Olah	Yes
D-KLE	Landscape and forest ecosystem	7	26/0	1-2	exam		prof. Kunca	Yes
D-MSG	Geodata processing methods for Doctoral Students	7	26/0	1-2	exam		doc. Slamová	Yes
D-MVPR	Methods of research and experimental work	7	26/0	1	exam		doc. Lepeška	Yes
D-PRG	Spatial modeling in the landscape with using GIS	7	26/0	1-2	exam		doc. Gallay	Yes
JA/ JN/ JF	English / German / French language for PhD students	7	0/26	1	exam		Mgr. Balážová / Mgr. Lupták / PaedDr. Veverková	Yes
DS	Dissertation Examination	20		2	exam		prof. Kunca	Yes

Selective courses * (PV)

Course code	Course name	Credits	Lectures / seminars	Recommended year	Completion of the course	Conditionals courses (code)	Responsible person for the course (title, surname)	Course code
D-AOTK	Adaptation measures in landscape design	7	26/0	1-2	exam		doc. Olah	No
D-EAB	Ecological analysis of biodiversity	7	26/0	1-2	exam		prof. Gáper	No
D-EORS	Ecology and protection of plant communities	7	26/0	1-2	exam		doc. Ujházyová	No
D-EVK	Greening of land use	7	26/0	1-2	exam		doc. Olah	No
D-EVH	Ecology and exploitation of mushrooms	7	26/0	1-2	exam		prof. Kunca	No
D-EMO	Environmental air monitoring	7	26/0	1-2	exam		prof. Škvarenina	No
D-EMZP	Environmental monitoring in environmental components	7	26/0	1-2	exam		prof. Schwarz	No
D-FZE	Phenology and seasonality of ecosystems	7	26/0	1-2	exam		prof. Škvareninová	No
D-HPK	Landscape's hydric potential	7	26/0	1-2	exam		doc. Lepeška	No
D-IMV	Interactions of microrelief and vegetation in landscape	7	26/0	2	exam		doc. Slamová	No
D-KZK	Climate geography and climate change	7	26/0	1-2	exam		prof. Škvarenina	No
D-KVP	Water quality in a river basin	7	26/0	1-2	exam		prof. Samešová	No
D-MBK	Landscape biodiversity management	7	26/0	2	exam		doc. Wiezik	No
D-MHP	Modelling hydrological processes	7	26/0	1-2	exam		doc. Gallay	No

* A student, after consultation with the supervisor, is obliged to choose three selective courses from the list above

Elective courses * (V)

Course code	Course name	Credits	Lectures / seminars	Recommended year	Completion of the course	Conditionals courses (code)	Responsible person for the course (title, surname)

* Students can choose elective courses according to the public catalogue of courses at TU Zvolen (<https://is.tuzvo.sk>) and after consultation with the guarantor of the study programme focusing on the approved dissertation topic

1) Study and educational activities of a PhD. student:

	Activities	Credits
1	Completion of a mandatory or selective course	7
2	Completion of another course offered by the faculties of the university	Original subsidy, max 5
3	Teaching activity at the University in the range of 2-4 hours per week on average per academic year	10-20
4	Authorship or co-authorship of teaching aids and texts	2-6
5	Supervising a final (Bachelor) thesis	5
6	International short-term mobility for PhD. student ** (5 days – one month)	5
7	International long-term mobility for PhD. student ** (more than one month)	10

** international mobility more than 5 days long is compulsory activity

2) Creative activity of a PhD. student in the field of science:

	Activities	Credits
1	Scientific publication in a journal registered in the Web of Science or SCOPUS database with an impact factor greater than or equal to 0.47	35
2	Scientific publication in a journal registered in the Web of Science or SCOPUS database with an impact factor lower than 0.47	25
3	Scientific publication in a foreign peer-reviewed scientific journal	18
	Scientific publication in a domestic peer-reviewed scientific journal	15
4	Presentation of own research results at a foreign scientific event (article in proceedings, extended abstract, abstract, independently, co-authorship)	15
5	Presentation of own research results at a domestic scientific event (article in proceedings, extended abstract, abstract, alone, co-authorship)	12
6	Citations Web of Science, SCOPUS	8
7	Foreign citations outside WOS and SCOPUS	3
8	Domestic citations outside WOS and SCOPUS	2

9	Activities within the workplace (member of the organizing committee of the conference, presentation of results, literature search and own experiment)	4
10	Lecture at a professional seminar within the workplace	3
11	participation in the solution of a scientific project with presentation of own results	10
12	Dissertation thesis completion	30

Structure of the study programme in terms of credits:

The total number of credits required for the proper completion of studies			240
A number of credits for the study part			90
A number of credits for mandatory courses required for the proper completion of studies		<i>total:69</i>	<i>Profile courses:69</i>
A number of credits for selective courses	<i>minimum:21</i>	<i>maximum:98</i>	<i>Profile courses:0</i>
The total number of credits for profile courses		69	
A number of credits for the PhD. student teaching activity			30
A number of credits for the creative activities in terms of science			120
A number of credits for mandatory activities in terms of science			30