

Description of the study programme

Name of the higher education institution: University of Prešov (UP)
Address of the higher education institution: Ul. 17. novembra č.15, 08001 Prešov
Identification number of the higher education institution: 717000000
Name of the faculty: Faculty of Humanities and Natural Sciences (FHNS)
Address of the faculty: Ul. 17. novembra č.1, 08001 Prešov

Institution body for approving the study programme: *Board for the Internal Quality Assurance System of the University of Presov in Presov and Board for Quality of FHNS UP*

Date of the study programme approval or the study programme modification:

Date of the latest change¹ in the study programme description:

Reference to the results of the latest periodic review of the study programme by the institution:

Reference to the assessment report of the application for accreditation of the study programme under § 30 of Act no. 269/2018 Coll.²:

1. Basic information about the study programme

- a) Name of the study program and its number according to the register of study programmes.
Environmental ecology, UIPŠ code: 1622V01, Code: 4058
- b) Degree of higher education and ISCED-F education degree code.
3rd level (PhD.), ISCED2011 code: 864
- c) Place(s) of delivery of the study programme.
717000000 University of Presov / 717050000 Faculty of Humanities and Natural Sciences
- d) Name and number of the field of study in which higher education is obtained by completing the study programme, or a combination of two fields of study in which higher education is obtained by completing the study programme, ISCED-F codes of the field/fields³.
Ecological and environmental sciences, Code: 1610, ISCED-F code: 0521
- e) Type of the study programme: academically oriented, professionally oriented; translation, translation combination study programme (listing the specializations); teaching, teaching combination study programme (listing the specializations); artistic, engineering, doctoral, preparation for regulated profession, joint study programme, interdisciplinary studies.
PhD. academically oriented
- f) Awarded academic degree.
PhD.
- g) Form of study⁴.
PhD. Full-time study
- h) In the case of joint study programmes, cooperating institutions and the range of study obligations the student fulfills at each of the given institutions (§ 54a of the Act on Higher Education Institutions).
The study programme is not shared with another university.
- i) Language or languages in which the study programme is delivered⁵.
Slovak language
- j) Standard length of the study expressed in academic years.
4 years
- k) Capacity of the study programme (planned number of students), the actual number of applicants and students.
The capacity for full time PhD studies is up to 10 students. Number of applications in academic year 2021/2022 is 0, number of PhD students is 5 (including, 0 of 1st year of study).

2. Graduate profile and learning objectives

- a) The institution defines the learning objectives of the study programme such as student's abilities at the time of completion of the programme and the main learning outcomes⁶.
The graduate profiles by completing of courses that develop his theoretical knowledge and skills, practical skills and abilities, and competencies, as stated in the information sheets of courses available on the public portals of the MAIS system:
<https://student.unipo.sk/maisportal/studijneProgramy.mais;jsessionid=2544DDDA91EC54DFD28389F06353EE34>
<https://app.box.com/s/aq6yblf0eh3ist966dvdb64rrfrmnw12>

Specific profile of the graduate and goals of education of the study program Environmental Ecology (PhD., Full-time study).

¹ If the change is not a modification of the study programme according to § 30 of Act no. 269/2018 Coll.

² It is stated only if the accreditation of the study programme has been granted according to § 30 of Act no. 269/2018 Coll.

³ According to the International Standard Classification of Education. Fields of Education and Practice 2013.

⁴ According to § 60 of Act no. 131/2002 Coll. on Higher Education Institutions.

⁵ It means the languages in which all learning outcomes are achieved and all related courses of the study programme as well as the state examinations are carried out. The institution independently provides information on the possibility of partial study parts/courses in other languages in part 4 of the description.

⁶ Learning objectives are achieved in the study programme through measurable learning outcomes in individual parts (modules, subjects) of the study programme corresponding to the relevant level of the Qualifications Framework in the European Higher Education Area.

The graduate will obtain the ability to work independently and in a research team and creatively and comprehensively solve the problems a tasks related to issues of ecological relations in the country, biodiversity and nature protection with the rational use of natural resources. The graduate uses the latest scientific research methods of a wide range of ecosystems (terrestrial and aquatic), which he has acquired to a large extent during stays and internships abroad and intensive cooperation with highly qualified experts from universities and practice. Can acquire, analyze and interpret professional knowledge, develop and use new scientific research methods, solve theoretical and practical problems of landscape protection and management. Based on scientific knowledge, environmental monitoring and changes in the country, he can identify and interpret biota interactions in a wide range of different ecosystems. The graduate can be employed on management functions related to nature, landscape and environmental protection, in scientific research institutions focused on ecological landscape research, in international cooperation of protected areas and the environment, and at universities focused on natural sciences. Graduates will be employed in management positions at workplaces with a biological focus, in research teams, in independent scientific research work at the workplaces of the Slovak Academy of Sciences, research institutes related to the environment, agriculture, forestry and universities. They are able to lead and manage a scientific and working team and work in specialized institutions requiring field work, environmentally-ecologically oriented workplaces, they apply in the public and private sector with biologically and ecologically oriented research and practice. The graduate is able to independently lead NGOs and apply to coordinate national and international projects.

- b) The institution indicates the professions for which the graduate is prepared at the time of completion and the potential of the study programme from the point of view of graduate's employability.
 2133001 Landscape ecologist, geoecologist
 2133002 Air protection expert
 2133003 Nature protection expert
 2133004 Waste management expert
 2133005 Forest protection expert
 2133006 Water streams protection expert
 2133999 Expert in the field of protection of natural environment (excluding industrial ecology) not elsewhere classified
 2143 Experts in the field of industrial ecology
 2143001 Expert biologist, microbiologist of drinking and wastewater
 2143002 Water quality control expert
 2143003 Environmental protection expert in industrial production
 2143004 Hydrologist
 2143999 Industrial ecology expert not elsewhere classified
 3257002 Environmental Inspector
 5419001 Nature guard and forest guard
 2131 Biologists, botanists, zoologists and related experts
 2131001 Biologist
 2131005 Botanist
 2131006 Zoologist
 2131999 Biologist, botanist, zoologist and related expert not elsewhere classified
- c) Relevant external stakeholders who have provided the statement or a favorable opinion on the compliance of the acquired qualification with the sector-specific requirements for the profession⁷.
 The evaluations and comments were received from: Institute of Parasitology SAS, v.v.i (Mgr. Alžbeta Radačovská, PhD.) and organization Birds Life Slovakia (Mgr. Michal Jenčo).

3. Employability

- a) Evaluation of the study programme graduates employability.
 Employment opportunities for graduates is addressed in the previous point 2(b).
 Statistical reports on the employability and employment of graduates are available from:
<https://uplatnenie.sk/>
 or
<https://uplatnenie.sk/?degree=V%C5%A0&vs=717000000&faculty=717050000&field=1316T43&year=2019>
 Information on applicability, resp. Graduate unemployment can be monitored through the Central Student Register. Other necessary information can be generated by the study department of the FHPV PU both from the CRŠ and from the records in the UPSVaR.
- b) If applicable, indicate the successful graduates of the study programme.
 As successful graduates of our study programme so far we can mention:
 Fedorčák Jakub, Peadr., PhD., researcher at the Department of Ecology
 Hajdu Juraj, Mgr., PhD., Specialist (hydrobiologist), ŠOP SR in Banská Bystrica
 Hrabkovský Branislav, Mgr., PhD., Chief State Councilor at the Department of State Administration of Nature Protection of the Ministry of the Environment of the Slovak Republic
- c) Evaluation of the study programme quality by employers (feedback).
 We asked the employers of our graduates to evaluate the quality of the submitted Environmentálna ekológia. They provided us with their evaluations and opinions: Institute of Parasitology SAS (Mgr. Alžbeta Radačovská, PhD.) and organization Birds Life Slovakia (Mgr. Michal Jenčo). The documented results of the assessment are included in Section IV. 8 Additional Annexes of the application for accreditation and memorandum from 18.2.2022.
 Additional annexes to the accreditation application.
 The feedback with a focus on examining the quality of the study program is carried out rather on an ongoing basis and sporadically by the teachers providing the study program of Environmental Ecology. It is implemented in an individual form. The information obtained is evaluated during the meetings of the Department of Ecology. We did not notice any major comments on the composition of the DSPD and the quality of the graduates. We note that all current legislative changes and the resulting requirements were immediately

⁷ In the case of regulated professions in accordance with the requirements for the acquisition of professional competence pursuant to a special regulation.

incorporated into the study program and the opinion on them is given in the Opinion of the person responsible for the study program to incorporate the comments of stakeholders on the study field (in the annexes).

4. Structure and content of the study programme⁸

a) The institution describes the rules for the design of study plans within the study programme.

The study program takes into account the objectives set by the Faculty of Humanities and Natural Sciences in the field of science and its long-term goals, especially in the field of education. The study program has been developed / innovated in the context of the tendencies of the development of such programs in Europe and in the world, considering the attractiveness for secondary school students. The study program was created in accordance with the needs of practice, therefore one of the main aspects in the conception of courses was the aspect of applicability of knowledge and competences in real practice.

- Description of study program 1610 Ecological and environmental sciences
- Graduate profile
- Areas that profile and form the core of the study field and the study programme
- Legislation on the credit system of study
- Internal regulations of the UP (<https://www.unipo.sk/vzdelavanie/vnutorne-predpisy/>)
(https://www.unipo.sk/public/media/37750/OR_x-2021_zosuladovanie.pdf)
- Long-term plan of FHNS UP: <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/rozvoj/dlhodoby-zamer/>

Selected characteristics of the content of the study program are listed directly in the Information Sheets of the courses, which are available from:

<https://student.unipo.sk/maisportal/studijneProgramy.mais;jsessionid=2544DDDA91EC54DFD28389F06353EE34>

b) The institution compiles the recommended study plans for individual study paths⁹.

Pursuant to Section 3 of Decree No. 614/2002 Coll. On the credit study system Courses included in the study programme Environmental ecology (PhD, full time form) according to the requirement of their completion are divided into:

- compulsory - their successful completion is a condition for successful completion of a part or the entire study programme,
- compulsory optional - the condition for successful completion of part or the entire study programme is the successful completion of a specified number of these subjects selected by the student in the study programme structure,
- optional - other subjects which the student has the possibility to enroll in order to supplement his/her studies and to obtain a sufficient number of credits in the relevant part of the study (§ 51(4)(i) of the Act).

Courses included in the study programme are divided according to their continuity into:

- courses conditioned by successful completion of other subjects; enrolment in such a subject is conditioned by successful completion of another subject (a prerequisite subject) or other subjects,
- courses without a requirement; enrolment in such a course is not conditioned by the completion of another course

The state examination (§ 63 (1) of the Act) is considered a course.

Available from: https://www.slov-lex.sk/pravne-predpisy/SK/ZZ/2002/614/vyhlasene_znenie.html

Course Information Sheets:

<https://student.unipo.sk/maisportal/studijneProgramy.mais;jsessionid=2544DDDA91EC54DFD28389F06353EE34>

Study Rules UP: <https://www.unipo.sk/public/media/0190/STUD%2024.9.18%20pdf.pdf>

Rector's Decision no. 10/2021: https://www.unipo.sk/public/media/37750/OR_x-2021_zosuladovanie.pdf

c) The study plan generally states:

- individual parts of the study programme (modules, courses, and other relevant school and extracurricular activities, if they contribute to the achievement of the required learning outcomes and allow to obtain credits) in the structure of compulsory, compulsory optional and optional courses,

The recommended study plan of the Study Program Environmental Ecology (PhD. study, full time form) consists of compulsory and optional courses.

Recommended study plan

Field of study: Ecological and environmental sciences

Study programme: Environmental ecology

Degree: 3rd (doctoral studies)

Form: Full-time (4 years)

Environmental ecology

A. Learning part – compulsory courses

Code	Course	ECTS credits	Load	Form of completion	Year	Semester	Name of the teacher
	Introduction to University pedagogy	5	P-1 S-1	Exam	1	1	prof. PaedDr. Lenka Pasternáková, PhD., MBA, doc. PhDr. Nadežda Krajčová, PhD., doc. PhDr. PaedDr. Martina Kosturková, PhD., Mgr. Imrich Ištvan, PhD.

⁸ Selected characteristics of the content of the study programme can be stated directly in the Course information sheets or supplemented by the information of the Course information sheets.

⁹ In accordance with Decree no. 614/2002 Coll. on the study credit system and Act no. 131/2002 Coll. on Higher Education Institutions and on Amendments to Certain Acts.

	General Ecology - Expanding Chapters*	15	P-2 S-2	Exam	1	1, 2	prof. PaedDr. J. Koščo, PhD., doc. Mgr. M. Hromada, PhD., doc. R. Mariychuk, CSc.
	Statistic for Ecologist*	10	C-2 P-1	Completion	1	1	PaedDr. Jakub Fedorčák, PhD., RNDr. Lenka Demková, PhD., doc. Mgr. Peter Manko, PhD.
	English language	5	S-2	Exam	1	2	PaedDr. Erika Kofritová, PhD. Mgr. Lenka Gogová, PhD.
	Dissertation thesis with defence	30		Exam (state exam)	4	8	prof. PaedDr. Ján Koščo, PhD., doc. Mgr. Martin Hromada, PhD., doc. Mgr. Peter Manko, PhD., doc. Ruslan Mariychuk, CSc., RNDr. Lenka Demková, PhD.
	Dissertation exam with defence of thesis to dissertation exam	35		Exam (state exam)	4	5	prof. PaedDr. Ján Koščo, PhD., doc. Mgr. Martin Hromada, PhD., doc. Mgr. Peter Manko, PhD., doc. Ruslan Mariychuk, CSc., RNDr. Lenka Demková, PhD.

Remarks: * Profile courses

B. Research part - compulsory subjects

Code	Course	ECTS credits	Load	Form of completion	Year	Semester	Name of the teacher
	Pedagogical activity of a doctoral student 1	5	P-2 S-2	Completion	1	1	prof. PaedDr. Ján Koščo, PhD., doc. Mgr. Martin Hromada, PhD., doc. Ruslan Mariychuk, CSc.
	Pedagogical activity of a doctoral student 2	5	P-2 S-2	Completion	1	2	prof. PaedDr. Ján Koščo, PhD., doc. Mgr. Martin Hromada, PhD., doc. Ruslan Mariychuk, CSc.
	Obtaining a PU grant for doctoral students or another research grant (researcher / co-researcher)	10	C-0 LC-0 P-0 S-0	Completion	2	3	prof. PaedDr. Ján Koščo, PhD.
	Pedagogical activity of a doctoral student a 3	5	P-2 S-2	Completion	2	3	prof. PaedDr. Ján Koščo, PhD., doc. Mgr. Martin Hromada, PhD., doc. Ruslan Mariychuk, CSc.
	Authorship of a scientific work in a journal registered in the WoS database with assigned Q - 2x, at least - once first authorship, once correspondent author	30	C-0 LC-0 P-0 S-0	Completion	2	4	prof. PaedDr. Ján Koščo, PhD.
	Active participation in a foreign scientific event	10	C-0 LC-0 P-0 S-0	Completion	2	4	prof. PaedDr. Ján Koščo, PhD., doc. Mgr. Martin Hromada, PhD.
	Authorship and co-authorship of scientific work registered in the WOS and SCOPUS database	15		Completion	1 – 4	1 – 8	prof. PaedDr. Ján Koščo, PhD.

C. Learning part – compulsory optional courses

Code	Course	ECTS credits	Load	Form of completion	Year	Semester	Name of the teacher
	Ichthyological methods	10	P-2 S-2	Exam	1 – 2	1 – 4	prof. PaedDr. Ján Koščo, PhD.

	Fish ecology	10	P-2 S-2	Exam	1 – 2	1 – 4	prof. PaedDr. Ján Koščo, PhD.
	Plant ecology	10	P-2 S-2	Exam	1 – 3	1 – 5	prof. RNDr. Ivan Šalamon, CSc., MBA
	Analytical chemistry 2	10	P-2 S-2	Exam	1 – 4	1 – 8	doc. Ruslan Mariychuk, CSc
	Green chemistry 2	10	P-2 S-2	Exam	1 – 4	1 – 8	doc. Ruslan Mariychuk, CSc.
	Zoogeography of Fishes	10	P-2 S-2	Exam	1 – 2	1 – 4	prof. PaedDr. Ján Koščo, PhD
	Ornithological methods	10	P-2 S-2	Exam	1 – 4	1 – 8	doc. Mgr. Martin Hromada, PhD.
	Evolutionary parasitology	10	P-2 S-2	Exam	1 – 4	1 – 8	doc. Mgr. Martin Hromada, PhD.
	Evolutionary behavioral ecology	10	P-2 S-2	Exam	1 – 4	1 – 8	prof. PaedDr. Ján Koščo, PhD., doc. Mgr. Martin Hromada, PhD., doc. Ruslan Mariychuk, CSc.
	Soil System Sustainability	5	P-2 S-2	Exam	1 – 3	1 – 5	Ing. Lenka Bobuľská, PhD.
	Environmental toxicology	5	P-2 S-2	Exam	1 – 3	1 – 5	RNDr. Lenka Demková, PhD.,
	Bioindication and biomonitoring	5	P-2 S-2	Exam	1 – 3	1 – 5	RNDr. Lenka Demková, PhD.
	Methods in soil ecology	5	P-2 S-2	Exam	1 – 3	1 – 5	Ing. Lenka Bobuľská, PhD., RNDr. Lenka Demková, PhD.
	Entomological methods	5	P-2 S-2	Exam	1 – 2	1 – 5	Ing. Jozef Oboňa, PhD., doc. Mgr. Peter Manko, PhD.
	Selected chapters from parasite ecology	5	P-2 S-2	Exam	1 – 3	1 – 6	Ing. Jozef Oboňa, PhD., doc. Mgr. Martin Hromada, PhD.
	Insect ecology	5	P-2 S-2	Exam	1 – 2	1 – 4	Ing. Jozef Oboňa, PhD., doc. Mgr. Peter Manko, PhD.
	Production agroecology	5	P-2 S-2	Exam	1	1.	doc. Ing. Jozef Fejér, PhD.
	Plant gene pool protection	5	P-2 S-2	Exam	1	1.	doc. Ing. Jozef Fejér, PhD.
	Human ecology - extended chapters*	10	P-2 S-2	Exam	1 – 3	1 - 5	doc. Mgr. Martin Hromada, PhD.
	Special Ecology - extension chapters from the subjects of bachelor and master degree*	10	P-2 S-2	Exam	1	1	prof. RNDr. Ivan Šalamon, MBA, doc. Mgr. Martin Hromada, PhD., doc. Ruslan Mariychuk, CSc., prof. PaedDr. Ján Koščo, PhD.,
	Behavioral Ecology - Extended Chapters	5	P-2 S-2	Exam	3 – 4	5 - 8	doc. Mgr. Martin Hromada, PhD.
	Ecology of life history	5	P-2 S-2	Exam	3 – 4	5 – 8	doc. Mgr. Martin Hromada, PhD.

Remarks: * Profile courses

D. Research part – compulsory optional courses

Code	Course	ECTS credits	Load	Form of completion	Year	Semester	Name of the teacher
	Authorship and co-authorship of scientific work in scientific journals, proceedings and monographs	10		Completion	1 – 4	1 – 8	prof. PaedDr. Ján Koščo, PhD.
	Pedagogical activity of a doctoral student 4*	5	P-2 S-2	A	2 - 3	4 – 6	prof. PaedDr. Ján Koščo, PhD., doc. Mgr. Martin Hromada, PhD., doc. Ruslan Mariychuk, CSc.
	Pedagogical activity of a doctoral student 5	5	P-2 S-2	A	2 – 3	4 – 6	prof. PaedDr. Ján Koščo, PhD., doc. Mgr. Martin Hromada, PhD.,

							doc. Ruslan Mariychuk, CSc.
	Pedagogical activity of a doctoral student 6	5	P-2 S- 2	A	2 - 3	4 – 6	prof. PaedDr. Ján Koščo, PhD., doc. Mgr. Martin Hromada, PhD., doc. Ruslan Mariychuk, CSc.
	Active participation in a domestic scientific event *	5		Completion	1 – 4	1 – 8	prof. PaedDr. Ján Koščo, PhD.
	Semester study or research stay at a foreign university or research institute *	10		Completion	1 – 4	1 – 8	prof. PaedDr. Ján Koščo, PhD.
	Study or research stay at a domestic university or research institute (at least 1 week)	3		Completion	1 – 4	1 – 8	doc. Mgr. Martin Hromada, PhD.
	Study or research stay at a foreign university or research institute (at least 1 week)*	5		Completion	1 – 4	1 – 8	doc. Mgr. Martin Hromada, PhD.
	Participation in solving a scientific grant project	5		Completion	1 – 4	1 – 8	prof. PaedDr. Ján Koščo, PhD.

Remarks: * Profile courses

- **profile courses** of the relevant study path (specialization) within the study programme,
In the Environmental ecology study programme description, the profile subjects are marked with * (asterisk).
- *for each learning part/course the learning outcomes, related criteria and rules of their assessment so that the learning objectives of the study programme are met (they can be stated only in the Course information sheets, in the Learning outcomes section and in the Course completion requirements),*
Learning outcomes, criteria, and rules for assessment of individual courses and educational parts are given in the Course Information Sheets in the Learning Outcomes and Course Completion Requirements sections.
Course Information Sheets:
<https://student.unipo.sk/maisportal/studiineProgramy.mais;jsessionid=2544DDDA91EC54DFD28389F06353EE34>
- *prerequisites, co-requisites and recommendations for the design of the study plan,*
The precondition courses, i.e. prerequisites, the successful completion of which conditions the enrolment and study of the follow-up course are listed in the Course Information Sheets in the Precondition Courses section and are made available to students in the UP MAIS.
Courses creating links (interconnections), i.e. requiring continuity in the development of knowledge, abilities and especially practical skills are supplemented by prerequisites. The course prerequisite is listed in the MAIS with reference to the information sheet. The obligation given by the prerequisite must be fulfilled before enrolment in the next course. The course information sheet (MAIS) lists the course, the proper completion of which is a condition for enrolment in the course.
Course Information Sheets:
<https://student.unipo.sk/maisportal/studiineProgramy.mais;jsessionid=2544DDDA91EC54DFD28389F06353EE34>
Study Rules UP: <https://www.unipo.sk/public/media/0190/STUD%2024.9.18%20pdf.pdf>
- *for each learning part of the study plan/course the applied educational activities (lecture, seminar, exercise, final work, project work, laboratory work, internship, excursion, field practice, professional practice, state exam, etc. or their combinations) suitable for achieving learning outcomes,*
Educational activities, forms and methods for each course and for each educational activity are listed in the Course Information Sheets under Type, load and method of educational activities and are made available to students in MAIS UP.
Course Information Sheets:
<https://student.unipo.sk/maisportal/studiineProgramy.mais;jsessionid=2544DDDA91EC54DFD28389F06353EE34>
- *methods by which the educational activity is delivered – present, distant, combined (in accordance with the Course information sheets),*
The methods for the implementation of the learning activities are set out in the Course Information Sheets:
<https://student.unipo.sk/maisportal/studiineProgramy.mais;jsessionid=2544DDDA91EC54DFD28389F06353EE34>
- *outline/syllabus of the course¹⁰,*
The syllabus for each course is listed in the Course Information Sheet.
During the assessment, the teachers providing the courses will give the working group access to other course materials and the content of the individual learning activities.
- *student workload ("extent" of individual courses and educational activities separately)¹¹,*
Student workload within the individual courses and learning activities (contact and non-contact teaching and activities) of the DSP (study programme description) of the study programme Environmental ecology (PhD, Full time form) is given in the individual course information sheets.
The DSP SP takes into account the credit system based on the principle of assessing the learner's workload. It uses the recommendations of the ECTS system for the accumulation and transfer of credits, which is based on the principle of transparency of learning, teaching and assessment processes.
ECTS Users' Guide 2015: <https://op.europa.eu/en/publication-detail/-/publication/da7467e6-8450-11e5-b8b7-01aa75ed71a1>

¹⁰ During the assessment, teachers responsible for the course will allow the working group access to the study materials of the course and the content of individual educational activities.

¹¹ We recommend indicating the workload of contact and non-contact teaching in accordance with the ECTS Users' Guide 2015.

Course Information Sheets:

<https://student.unipo.sk/maisportal/studijneProgramy.mais;jsessionid=2544DDDA91EC54DFD28389F06353EE34>

Study Rules UP: <https://www.unipo.sk/public/media/0190/STUD%2024.9.18%20pdf.pdf>

Rector's Decision No.10/2021: https://www.unipo.sk/public/media/37750/OR_x-2021_zosuladovanie.pdf

- *credits allocated to each part based on the learning outcomes achieved and the workload involved*,
The credits allocated to individual courses, learning outcomes and learning activities are attributed to the student's workload. The number of credits and the student's workload are specified separately in each Course Information Sheet. When determining the student workload, it has been assumed that 1 credit corresponds to 30 hours of student work.

Course Information Sheets:

<https://student.unipo.sk/maisportal/studijneProgramy.mais;jsessionid=2544DDDA91EC54DFD28389F06353EE34>

- *the person responsible for the course (or a partner organization/person¹²) with an indication of the contact details*,
The names of the teachers providing individual courses and educational activities in accordance with the DSP are given in the Course Information Sheets.

Course Information Sheets:

<https://student.unipo.sk/maisportal/studijneProgramy.mais;jsessionid=2544DDDA91EC54DFD28389F06353EE34>

prof. PaedDr. Ján Koščo, PhD., E-mail: jan.kosco@unipo.sk, Phone: (+421)0517570611, Adresa: Ul. 17. novembra 1, 080 01 Prešov
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Ing. Lenka Bobulská, PhD., E-mail: lenka.bobulska@unipo.sk, Phone: (+421)0517570207, Adresa: Ul. 17. novembra 1, 080 01 Prešov

RNDr. Lenka Demková, PhD., E-mail: lenka.demkova@unipo.sk, Phone: (+421)0517570207, Adresa: Ul. 17. novembra 1, 080 01 Prešov

Ing. Jozef Oboňa, PhD., E-mail: jozef.obona@unipo.sk, Phone: (+421)0517570207, Adresa: Ul. 17. novembra 1, 080 01 Prešov

PaedDr. Jakub Fedorčák, PhD., E-mail: jakub.fedorcak@unipo.sk, Phone: (+421)0517570600, Adresa: Ul. 17. novembra 1, 080 01 Prešov

PaedDr. Erika Kofritová, PhD., E-mail: erika.kofritova@unipo.sk, Phone: (+421)0517570177, Adresa: Ul. 17. novembra 1, 080 01

Mgr. Lenka Gogová, PhD., Email: lenka.gogova@unipo.sk, Phone: (+421)0517570177, Adresa: Ul. 17. novembra 1, 08001 Prešov

Mgr. Imrich Ištván, PhD. Email: imrich.istvan@unipo.sk, Phone: (+421)0517570366 Adresa: Ul. 17. novembra, 08001 Prešov

Course Information Sheets:

<https://student.unipo.sk/maisportal/studijneProgramy.mais;jsessionid=2544DDDA91EC54DFD28389F06353EE34>

- *course teachers (or participating partner organizations/persons) (may also be mentioned in Course information sheets)*,
The names of the teachers providing individual courses and educational activities in accordance with the DSP are given in the Course Information Sheets.

Course Information Sheets:

<https://student.unipo.sk/maisportal/studijneProgramy.mais;jsessionid=2544DDDA91EC54DFD28389F06353EE34>

prof. PaedDr. Ján Koščo, PhD., E-mail: jan.kosco@unipo.sk, Phone: (+421)0517570611, Adresa: Ul. 17. novembra 1, 080 01 Prešov
Prof. PaedDr. Lenka Pasternáková, PhD., MBA, Email: lenka.pasternakova@unipo.sk, Phone: (+421)0517570741, Adresa: Ul. 17. novembra 1, 08001 Prešov

prof. RNDr. Ivan Šalamon, CSc., MBA, E-mail: ivan.salamon@unipo.sk, Phone: (+421)517570662, Adresa: Ul. 17. novembra 1, 080 01 Prešov

doc. Ing. Jozef Fejér, PhD., E-mail: jozef.fejer@unipo.sk, Phone: (+421)517570312, Adresa: Ul. 17. novembra 1, 080 01 Prešov

doc. PhDr. PaedDr. Martina Kosturková, PhD., Email: martina.kosturkova@unipo.sk, Phone: (+421)0517570713, Adresa: Ul. 17. novembra 1, 08001 Prešov

doc. PhDr. Nadežda Krajčová, PhD. Email: nadezda.krajcova@unipo.sk, Phone: (+421)0517570280, Adresa: Ul. 17. novembra 1 08001 Prešov

doc. Mgr. Martin Hromada, PhD., E-mail: Martin.hromada@unipo.sk, Phone: (+421)0517570204, Adresa: Ul. 17. novembra 1, 080 01 Prešov

doc. Mgr. Peter Manko, PhD., E-mail: peter.manko@unipo.sk, Phone: (+421)0517570608, Adresa: Ul. 17. novembra 1, 080 01 Prešov

¹² E.g. when providing the professional practice or other educational activities carried out outside the university.

doc. Ruslan Mariychuk, CSc., E-mail: ruslan.mariychuk@unipo.sk, Phone: (+421)517570312, Adresa: Ul. 17. novembra 1, 080 01 Prešov

RNDr. Beáta Baranová, PhD., E-mail: beata.baranova@unipo.sk, Phone: (+421)0517570600, Adresa: Ul. 17. novembra 1, 080 01 Prešov

Ing. Lenka Bobuľská, PhD., E-mail: lenka.bobulska@unipo.sk, Phone: (+421)0517570207, Adresa: Ul. 17. novembra 1, 080 01 Prešov

RNDr. Lenka Demková, PhD., E-mail: lenka.demkova@unipo.sk, Phone: (+421)0517570207, Adresa: Ul. 17. novembra 1, 080 01 Prešov

Ing. Jozef Oboňa, PhD., E-mail: jozef.obona@unipo.sk, Phone: (+421)0517570207, Adresa: Ul. 17. novembra 1, 080 01 Prešov

PaedDr. Jakub Fedorčák, PhD., E-mail: jakub.fedorcak@unipo.sk, Phone: (+421)0517570600, Adresa: Ul. 17. novembra 1, 080 01 Prešov

PaedDr. Erika Kofritová, PhD., E-mail: erika.kofritova@unipo.sk, Phone: (+421)0517570177, Adresa: Ul. 17. novembra 1, 080 01 Prešov

Mgr. Lenka Gogová, PhD., Email: lenka.gogova@unipo.sk, Phone: (+421)0517570177, Adresa: Ul. 17. novembra 1, 08001 Prešov

Mgr. Imrich Ištván, PhD. Email: imrich.istvan@unipo.sk, Phone: (+421)0517570366 Adresa: Ul. 17. novembra, 08001 Prešov

Course Information Sheets:

<https://student.unipo.sk/maisportal/studijneProgramy.mais.jsessionid=2544DDDA91EC54DFD28389F06353EE34>

- *places where the courses are taught (if the study programme is delivered at several workplaces).*
Except the field practices and student internships performed within the implementation of professional practices, all other subjects and educational activities of DSP SP Environmental Ecology (PhD., full time form) are carried out in classrooms (room 226, 227a, 229 and 174), ecochemistry laboratory (room 229) and applied ecology (room 227). The laboratory of ecophysiology of animals and plants (room 224), the laboratory of ecological insect ecology (room 287), the experimental chemical laboratory (room 228), the laboratory and the museum of evolution ecology (room 163) and also the fish ecology laboratory and laboratory of chemistry in the Technicom science park are also available for the needs of specific laboratory activities that students perform in connection with the implementation of dissertations. The school field of the Department of Ecology FHPV PU in Prešov is also used for the implementation of practical exercises.
- d) *The institution states the number of credits, the achievement of which is a condition for proper completion of studies and other requirements that the student must meet within the study programme and for its proper completion, including the requirements for state examinations, rules for re-study and rules for the extension, interruption of study.*
The student is obliged to obtain the necessary number of credits in the study programme, the distribution and total number of which is determined by the accredited study programme. The standard student workload for the entire academic year is expressed as 60 credits, and 30 credits per semester.
The number of credits, the achievement of which is a condition for the regular completion of studies, for a third-degree study program with a standard length of study is at least 240 credits. According to the study regulations, the study may not exceed its standard length by more than two years.
All the information required under (d) is provided in Articles 29 through 32 (for PhDs) of the 2018 Study Rules UP.
Link: <https://www.unipo.sk/public/media/0190/STUD%2024.9.18%20pdf.pdf>
Rector's Decision No. 10/2021: https://www.unipo.sk/public/media/37750/OR_x-2021_zosuladovanie.pdf
- e) *For individual study plans, the institution states the requirements for completing the individual parts of the study programme and the student's progress within the study programme in the given structure:*
 - *number of credits for compulsory courses required for proper completion of studies/completion of a part of studies,*
According to the DSP SP Environmental ecology it is:
1st year of study: 60 credits
2nd year of study: 65 credits
3rd year of study: 35 credits
4th year of study: 30 credits
Number of credits for compulsory subjects for regular completion of studies: 190 credits
 - *number of credits for compulsory optional courses required for the proper completion of studies/completion of a part of studies,*
According to the DSP of the SP Environmental ecology, the student for the compulsory optional courses must receive at least 50 credits and not more as 218 credits.
 - *number of credits for optional courses required for the proper completion of studies/completion of a part of studies,*
According to the DSP of the SP Environmental ecology, the student does not receive credits for optional courses.
 - *number of credits required for the completion of studies/completion of a part of the studies for the common foundations and for the relevant specialization, in the case of a teaching combination study programme or a translation combination study programme,*
It is not a teacher combination study program or a translation combination study program.
 - *number of credits for the final thesis and the defence of the final thesis required for the proper completion of studies,*
The total number of credits for the dissertation thesis, including the defence, is 65. For the subject of the dissertation exam with the defence of the thesis for dissertation exam, the student will receive 35 credits and for the subject of the state exam Dissertation thesis with the defence will receive 30 credits.
 - *number of credits for professional practice required for the proper completion of studies/completion of a part of studies,*
No professional practice.
 - *number of credits required for the proper completion of studies/completion of a part of the studies for project work with the indication of relevant courses in engineering study programmes,*

It is not an engineering degree programme.

- *number of credits required for the proper completion of studies/completion of a part of the studies for artistic performances in addition to the final thesis in art study programmes.*
It is not a study programme with an artistic focus.

f) *The institution describes the rules for verification of learning outcomes, students assessment and the possibilities of appealing against the assessment.*

The rules for the verification of learning outcomes and the assessment of students and the possibilities of corrective procedures against this assessment state:

Art. 15 through 22 of the Study Rules UP of 2018:

<https://www.unipo.sk/public/media/0190/STUD%2024.9.18%20pdf.pdf>

Disciplinary Regulations of the UP in Prešov:

https://www.unipo.sk/public/media/files/docs/u/svk/disciplinarny_poriadok_08.pdf

g) *Conditions for recognition of studies or a part of studies.*

The conditions under which courses of study or credits are recognised are set out in Article 20 of the Study Rules. The application for recognition of a course and the award of credits for the course in question is submitted by the student to the study department of the home faculty or university.

Study Rules UP: <https://www.unipo.sk/public/media/0190/STUD%2024.9.18%20pdf.pdf>

h) *The institution states the topics of final theses of the study programme (or a link to the list).*

Each year, in accordance with the Study Rules of the UP in Prešov, the Faculty publishes a list of thesis topics through individual departments, no later than by the November 30 of the given academic year. The thesis topics are approved by the head of the Faculty of Humanities and Natural Sciences so that the sum of the thesis topics at the first and second level of study, conducted by one employee, does not exceed ten in one academic year. When approving the topics, it must also be ensured that the supervisor of the thesis has at least one level of higher education or qualification than the supervisor of the thesis (the only exceptions are practitioners), and that the topic corresponds to the supervisor's scientific and pedagogical profile. Given the average number of students admitted in each academic year and the number of students carrying out theses at the applicant's place of work, we assume that the fulfilment of the criterion will be trouble-free.

Topics of final theses are regularly published in MAIS PU

<https://www.unipo.sk/cvtpu/hlavne-sekcie/MAIS/intro/>

and on the websites of the faculty departments, teachers of the Department of Ecology:

<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/prestudentov/>

i) *The institution describes or refers to:*

- *rules for the assignment, processing, opposition, defence and evaluation of final theses in the study programme,*

The University has established a coherent system of processes ensuring the procedure for the preparation and organisation of theses at all levels of study. The basic document is the Directive on the requirements of theses, their bibliographic registration, originality control, preservation, and accessibility, issued by the UP Rector in 2019. The Directive specifies the general provisions, basic concepts, characteristics and formality of theses, ethics and technique of citation and bibliographic references, structure of the thesis, submission, originality control and accessibility, the competence of the University, its components, and the competence of the author of the thesis, information about the central register of theses and the competence of the Ministry and the University, final provisions.

Available from: <https://www.pulib.sk/web/data/pulib/subory/stranka/ezp-smernica2019.pdf>

The procedures for the specification of doctoral dissertations, their processing, defence and evaluation are set out in the UP Study Rules, Articles 34 through 38.

The total number of credits for the dissertation, including the defence, is 65.

- *opportunities and procedures for participation in student mobility,*

The UP Study Rules, in the section on the organisation of educational activities, address the student's right to complete part of his/her studies at another higher education institution in the Slovak Republic or abroad. Approval for mobility is granted by the dean/rector or the vice-rector for international affairs and marketing. The part of the study is recognised in accordance with the Treaty, the European Standard and the European Credit Transfer System. The Rector's Decision "Procedure for the implementation of outgoing student mobility within the Erasmus+ programme" is issued at the University of Prešov (UP) on the basis of the provisions of Section 15(1)(l) of Act No. 131/2002 Coll. on Higher Education and on Amendments and Additions to Certain Acts, as amended. With this Rector's Decision, the UP management determines the activities of individual actors related to the realisation of student mobility abroad under the Erasmus+ programme. Introductory provisions The Rector's Decision responds to the main ideas of the Bologna Process. In designing the quality of education, UP applies the approaches declared in the current concepts of determining and evaluating learning outcomes. The Rector's Decision is drawn up in accordance with Section 87a of the Higher Education Act.

For incoming students, credits are assessed on the basis of their acquisition, i.e. the degree of compliance of the completed coursework with the given study programme is evaluated by the guarantor of the study. In the case of a match, the credits are accepted, or the missed coursework can be made up within the requirements of the study programme.

Student mobility is arranged and guided by a coordinator appointed by the Rector or Dean. His/her task is to prepare and execute the programme of international cooperation in the educational field, to deal with the tasks related to the placement and admission of students, and to provide advisory services to students on the possibilities of studying at other universities in the Slovak Republic and abroad.

Study Rules UP: <https://www.unipo.sk/public/media/0190/STUD%2024.9.18%20pdf.pdf>

University website: <https://www.unipo.sk/search/?q=mobility>

FHNS website: <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/vyzvy-mob-stud/>

Rector's Decision: <https://www.unipo.sk/public/media/10602/Opatrenie-rektora-8-05-31.pdf>

- *rules for adherence to academic ethics and rules for drawing consequences,*
The rules of academic ethics and consequences are stated in the document Code of Ethics of the University of Presov. Research Integrity and Ethics available from:
<https://www.unipo.sk/public/media/38250/Etick%C3%BD%20k%C3%B3dex%20Pre%C5%A1ovskej%20university%20v%20Pre%C5%A1ove.pdf>
and Act No. 9/2010 Coll. on Complaints <https://www.slov-lex.sk/pravne-predpisy/SK/ZZ/2010/9/>
- *procedures applicable to students with special needs,*
The diversity of student needs (special needs) is accepted within the scope of the Methodology Guide document. In accordance with Section 100(11) of Act No. 131/2002 Coll. on Higher Education and on Amendments and Additions to Certain Acts, as amended (hereinafter referred to as the "Higher Education Act") and Decree No. 458/2012 Coll. on Minimal Requirements for Students with Specific Needs, the document creates a generally accessible academic environment and appropriate study conditions for students with specific needs without reducing the requirements for their study performance.
Methodology Guide:
https://www.unipo.sk/public/media/0190/METODIKA_%C5%A0%C5%A0P_april2017.pdf
- *procedures for filing complaints and appeals by students.*
For student complaints and appeals, the procedures regarding:
 - admission to the school,
 - examinations,
 - accommodation,
 - criminal activity,
 are governed by the Complaints Act No. 9/2010 Coll. and its amendment No. 94/2017 Coll.:
<https://www.aspi.sk/products/lawText/1/88314/1/2/zakon-c-94-2017-zz-ktorym-sa-meni-a-doplna-zakon-c-9-2010-zz-o-staznostiach-v-zneni-neskorsich-predpisov/zakon-c-94-2017-zz-ktorym-sa-meni-a-doplna-zakon-c-9-2010-zz-o-staznostiach-v-zneni-neskorsich-predpisov>

Upon a justified case, the student has the possibility to request the correction of the results of the assessment. A student is entitled to two make-up examination dates in a given course in the academic year in which the course is enrolled, within the announced examination dates and the academic year schedule. At the student's request, the examiner will allow a make-up examination even if the student has successfully passed the regular examination date. A make-up examination date will be registered in the MAIS. If the student requests it, the Vice Dean/Provost for Educational Affairs may allow a make-up examination to be given in justified cases before a committee appointed by the Dean/Provost. A board examination may be demanded from the faculty's study department no later than five working days after the regular examination date or the first make-up examination date.

Students can submit suggestions via the "black box", i.e. in the form of an anonymous electronic form. Suggestions are registered through the student representatives of the AS FHNS UP, who then delegate them to the relevant departments according to the content of the suggestion.

Study Rules UP: <https://www.unipo.sk/public/media/0190/STUD%2024.9.18%20pdf.pdf>

Black Box: <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/informacie-pre-studentov/cierna-skrinka/>

5. Course information sheets of the study programme

In the structure according to Decree no. 614/2002 Coll.

The information sheets of all courses of the study programme Environmental ecology (PhD., full-time study) located in Part IV. 7.

Additional supplementary information to the application for accreditation and are available from:

<https://student.unipo.sk/maisportal/studiineProgramy.mais;jsessionid=2544DDDA91EC54DFD28389F06353EE34>

6. Current academic year plan and current schedule (or hyperlink).

The current academic year time schedule can be found on the FHNS UP website in the section - students. Available from:

<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/vzdelavanie/harmonogram/>

The current timetable of the study programme Environmental ecology (PhD., full-time study) for the academic year 2021/2022 is available in the MAIS information system - public portal. Available from:

<https://student.unipo.sk/maisportal/rozvrhy.mais>

7. Persons responsible for the study programme

- a) A person responsible for the delivery, development, and quality of the study programme (indicating the position and contact details).

Main guarantor:

Prof. PaedDr. Ján Koščo., position: Professor, e-mail: jan.kosco@unipo.sk, tel. (+421)0517570611, Address: Ul. 17. novembra 08001 Prešov; (<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/kosco/>)

Co-guarantors:

doc. Mgr. Martin Hromada, PhD., position: Associate professor, e-mail: martin.hromada@unipo.sk, tel. (+421)0517570204, Address: Ul. 17. novembra 08001 Prešov; (<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/hromada/>)

doc. Mgr. Peter Manko, PhD., position: Associate professor, e-mail: peter.manko@unipo.sk, tel. (+421)0517570608, Address: Ul. 17. novembra 08001 Prešov; (<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/manko/>)

doc. Ruslan Mariychuk, CSc., position: Associate professor, e-mail: ruslan.mariychuk@unipo.sk, tel. (+421)517570312, Address: Ul. 17. novembra 08001 Prešov; (<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/mariychuk/>)

RNDr. Lenka Demková, PhD., position: Associate professor, e-mail: lenka.demkova@unipo.sk, tel. (+421)0517570207, Address: Ul. 17. novembra 08001 Prešov; (<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/demkova/>)

- b) List of persons responsible for the profile courses of the study programme with the assignment to the course and provided with a link to the central Register of university staff and with contact details (they may also be listed in the study plan).

prof. PaedDr. Ján Koščo, PhD. Email: jan.kosco@unipo.sk Telefón: (+421)0517570611 Adresa: Ul. 17. novembra 1 08001 Prešov	General Ecology - Expanding Chapters Pedagogical activity of a doctoral student 4 Special Ecology - extension chapters from the subjects of bachelor and master degree Semester study or research stay at a foreign university or research institute	https://www.portalvs.sk/regzam/detail/6561
Prof. RNDr. Ivan Šalamon, CSc., MBA Email: ivan.salamon@unipo.sk Telefón: (+421)0517570662 Adresa: Ul. 17. novembra 1 08001 Prešov	Special Ecology - extension chapters from the subjects of bachelor and master degree	https://www.portalvs.sk/regzam/detail/6530
doc. Ruslan Mariychuk, CSc. Email: ruslan.mariychuk@unipo.sk Telefón: (+421)517570312 Adresa: Ul. 17. novembra 1 08001 Prešov	General Ecology - Expanding Chapters Special Ecology - extension chapters from the subjects of bachelor and master degree Pedagogical activity of a doctoral student 4	https://www.portalvs.sk/regzam/detail/20408
doc. Mgr. Martin Hromada, PhD. Email: martin.hromada@unipo.sk Telefón: (+421)0517570204 Adresa: Ul. 17. novembra 1 08001 Prešov	General Ecology - Expanding Chapters Human ecology - extended chapters Special Ecology - extension chapters from the subjects of bachelor and master degree Pedagogical activity of a doctoral student 4	https://www.portalvs.sk/regzam/detail/6244
PaedDr. Jakub Fedorčák, PhD. Email: jakub.fedorcak@unipo.sk Telefón: (+421)0517570600 Adresa: Ul. 17. novembra 1 08001 Prešov	Statistic for Ecologist	https://www.portalvs.sk/regzam/detail/29156
Doc. Mgr. Peter Manko, PhD. Email: peter.manko@unipo.sk Telefón: (+421)0517570608 Adresa: Ul. 17. novembra 1 08001 Prešov	Statistic for Ecologist	https://www.portalvs.sk/regzam/detail/6510
RNDr. Lenka Demková, PhD. Email: lenka.demkova@unipo.sk Telefón: (+421)0517570207 Adresa: Ul. 17. novembra 1 08001 Prešov	Statistic for Ecologist	https://www.portalvs.sk/regzam/detail/23555

- c) Reference to the research/art/teacher profiles of persons responsible for the profile courses of the study programme.

prof. PaedDr. Ján Koščo, PhD.
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/kosco/>
Prof. RNDr. Ivan Šalamon, CSc., MBA
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/salamon/>
doc. Ruslan Mariychuk, CSc.
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/mariychuk/>
doc. Mgr. Martin Hromada, PhD.
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/hromada/>
PaedDr. Jakub Fedorčák, PhD.
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/fedorcak/>
doc. Mgr. Peter Manko, PhD.
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/manko/>
RNDr. Lenka Demková, PhD.
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/demkova/>

- d) List of teachers of the study programme with the assignment to the course and provided with a link to the central Register of university staff and with contact details (may be a part of the study plan).

Person, contact	Courses	Link on Portal of High Schools
prof. PaedDr. Ján Koščo, PhD. Email: jan.kosco@unipo.sk Telefón: (+421)0517570611 Adresa: Ul. 17. novembra 1	General Ecology - Expanding Chapters Ichthyological methods Fish ecology Zoogeography of Fishes	https://www.portalvs.sk/regzam/detail/6561

08001 Prešov	Evolutionary behavioral ecology Special Ecology - extension chapters from the subjects of bachelor and master degree Authorship of a scientific work in a journal registered in the WoS database with assigned Q - 2x, at least - once first authorship, once correspondent author Authorship and co-authorship of scientific work registered in the WOS and SCOPUS databases Authorship and co-authorship of scientific work in scientific journals, proceedings and monographs Pedagogical activity of a doctoral student 1 Pedagogical activity of a doctoral student 2 Pedagogical activity of a doctoral student 3 Pedagogical activity of a doctoral student 4 Pedagogical activity of a doctoral student 5 Pedagogical activity of a doctoral student 6 Active participation in a foreign scientific event Semester study or research stay at a foreign university or research institute Study or research stay at a domestic university or research institute (at least 1 week) Obtaining a PU grant for doctoral students or another research grant (researcher / co-researcher) Participation in solving a scientific grant project	
prof. RNDr. Ivan Šalamon, CSc., MBA Email: ivan.salamon@unipo.sk Telefón: (+421)0517570662 Adresa: Ul. 17. novembra 1 08001 Prešov	Plant ecology Special Ecology - extension chapters from the subjects of bachelor and master degree	https://www.portalvs.sk/regzam/detail/6530
doc. Ruslan Mariychuk, CSc. Email: ruslan.mariychuk@unipo.sk Telefón: (+421)517570312 Adresa: Ul. 17. novembra 1 08001 Prešov	General Ecology - Expanding Chapters Analytical chemistry 2 Green chemistry 2 Evolutionary behavioral ecology Special Ecology - extension chapters from the subjects of bachelor and master degree Pedagogical activity of a doctoral student 1 Pedagogical activity of a doctoral student 2 Pedagogical activity of a doctoral student 3 Pedagogical activity of a doctoral student 4 Pedagogical activity of a doctoral student 5 Pedagogical activity of a doctoral student 6	https://www.portalvs.sk/regzam/detail/20408
Doc. Mgr. Peter Manko, PhD. Email: peter.manko@unipo.sk Telefón: (+421)0517570608 Adresa: Ul. 17. novembra 1 08001 Prešov	Entomological methods Insect ecology Statistic for Ecologist	https://www.portalvs.sk/regzam/detail/6510
doc. Mgr. Martin Hromada, PhD. Email: martin.hromada@unipo.sk Telefón: (+421)0517570204 Adresa: Ul. 17. novembra 1 08001 Prešov	General Ecology - Expanding Chapters Behavioral Ecology - Extended Chapters Ornithological methods Human ecology - extended chapters Ecology of life history Evolutionary parasitology Evolutionary behavioral ecology	https://www.portalvs.sk/regzam/detail/6244

	Selected chapters from parasite ecology Special Ecology - extension chapters from the subjects of bachelor and master degree Pedagogical activity of a doctoral student 1 Pedagogical activity of a doctoral student 2 Pedagogical activity of a doctoral student 3 Pedagogical activity of a doctoral student 4 Pedagogical activity of a doctoral student 5 Pedagogical activity of a doctoral student 6 Active participation in a domestic scientific event Active participation in a foreign scientific event Study or research stay at a foreign university or research institute (at least 1 wee	
doc. Ing. Jozef Fejér, PhD. Email: jozef.fejer@unipo.sk Telefón: (+421)517570312 Adresa: Ul. 17. novembra 1 08001 Prešov	Production agroecology Plant gene pool protection	https://www.portalsk/regzam/detail/6212
Ing. Jozef Oboňa, PhD. Email: jozef.obona@unipo.sk Telefón: (+421)0517570207 Adresa: Ul. 17. novembra 1 08001 Prešov	Entomological methods Selected chapters from parasite ecology Insect ecology	https://www.portalsk/regzam/detail/22431
Ing. Lenka Bobušíková, PhD. Email: lenka.bobulska@unipo.sk Telefón: (+421)0517570207 Adresa: Ul. 17. novembra 1 08001 Prešov	Sustainability of the soil ecosystem Methods in soil ecology	https://www.portalsk/regzam/detail/22168
RNDr. Lenka Demková, PhD. Email: lenka.demkova@unipo.sk Telefón: (+421)0517570207 Adresa: Ul. 17. novembra 1 08001 Prešov	Environmental toxicology Bioindication and biomonitoring Methods in soil ecology Statistic for Ecologist	https://www.portalsk/regzam/detail/23555
RNDr. Beáta Baranová, PhD. Email: beata.baranova@unipo.sk Telefón: (+421)0517570600 Adresa: Ul. 17. novembra 1 08001 Prešov	Global environmental issues Waste management and EIA	https://www.portalsk/regzam/detail/20406
PaedDr. Jakub Fedorčák, PhD. Email: jakub.fedorcak@unipo.sk Telefón: (+421)0517570600 Adresa: Ul. 17. novembra 1 08001 Prešov	Statistic for Ecologist	https://www.portalsk/regzam/detail/29156
PaedDr. Erika Kofritová, PhD. Email: erika.kofritova@unipo.sk Telefón: (+421)0517570600 Adresa: Ul. 17. novembra 1 08001 Prešov	English language	https://www.portalsk/regzam/detail/17863
Mgr. Lenka Gogová, PhD. Email: lenka.gogova@unipo.sk Telefón: (+421)0517570600 Adresa: Ul. 17. novembra 1 08001 Prešov	English language	https://www.portalsk/regzam/detail/17888
Prof. PaedDr. Lenka Pasternáková, PhD., MBA Email: lenka.pasternakova@unipo.sk Telefón: (+421)0517570741 Adresa: Ul. 17. novembra 1 08001 Prešov	Introduction to University pedagogy	https://www.portalsk/regzam/detail/6520
Doc. PhDr. Nadežda Krajčová, PhD. Email: nadezda.krajcova@unipo.sk Telefón: (+421)0517570280 Adresa: Ul. 17. novembra 1	Introduction to University pedagogy	https://www.portalsk/regzam/detail/6503

08001 Prešov		
Doc.PhDr.PaedDr. Martina Kosturková, PhD Email: martina.kosturkova@unipo.sk Telefón: (+421)0517570713 Adresa: Ul. 17. novembra 1 08001 Prešov	Introduction to University pedagogy	https://www.portalvs.sk/regzam/detail/8075
Mgr. Imrich Ištván, PhD. Email: imrich.istvan@unipo.sk Telefón: (+421)0517570366 Adresa: Ul. 17. novembra 1 08001 Prešov	Introduction to University pedagogy	https://www.portalvs.sk/regzam/detail/17865

- e) List of the supervisors of final theses with the assignment to topics (indicating the contact details).
- prof. PaedDr. Ján Koščo, PhD., E-mail: jan.kosco@unipo.sk, (+421)0517570611, Ul. 17. novembra 1, 080 01 Prešov
- Defended dissertations:
- Food competition of native and alien fish species in Tisza River basin
 - The effect of hydropower plants to change the environmental factors of aquatic ecosystem
 - Differences in ecological valence of selected taxa of diploid and polyploid fish species and their role in speciation and evolution processes
 - Ichthyocenosis of lowland waters with respect to habitat preferences of limnophilic fish species
 - Habitat preferences of sexual and asexual populations of the genus *Cobitis*
 - Selected aspects of ecology of *Sabanjewia* fish
- Planned topics of dissertations:
- Ecology of phytotelmata communities
 - Temporal and distributional change of reproductive parameters of populations of invasive fish species of the family Gobiidae
 - Changes in the ecological niche of invasive fish species in the process of naturalization
- prof. RNDr. Ivan Šalamon, CSc., MBA, E-mail: ivan.salamon@unipo.sk, (+421)517570662, Ul. 17. novembra 1, 080 01 Prešov
- Defended dissertations:
- The entomopathogenic fungi and essential oils in interaction with population of bark beetle attacking norway spruce (*Picea abies* L.)
- Planned topics of dissertations:
- Utilization of natural allochemicals based on zeolites in the cultivation of selected monocenosis of a special crop with emphasis on its population and regulatory mechanisms
 - Secondary metabolites - importance for the selected plant in the environment of its growth with the possibilities of their use for humans
 - Life strategy of populations of chamomile (*Matricaria recutita* L.) in large-scale cultivation and mechanisms for their size management
- doc. Ing. Jozef Fejér, PhD., E-mail: jozef.fejer@unipo.sk, (+421)517570312, Ul. 17. novembra 1, 080 01 Prešov
- Planned topics of dissertations:
- Influence of environmental factors and additional energy inputs on seed production, capsules and morphine accumulation in poppy seeds *Papaver somniferum* L.
 - Influence of agroecological conditions and additional energy inputs on lavender crop and quality (*Lavandula* spp.)
- doc. Mgr. Martin Hromada, PhD., E-mail: martin.hromada@unipo.sk, (+421)0517570204, Ul. 17. novembra 1, 080 01 Prešov
- Defended dissertations:
- Biodiversity and ecology of quill mites (Prostigmata: Syringophilidae)
- Planned topics of dissertations:
- Evolutionary ecology of human life history
 - Quill mites of the family Syringophilidae associated with starlings (Aves: Sturnidae): diversity and host-parasite relationship
- doc. Mgr. Peter Manko, PhD., E-mail: peter.manko@unipo.sk, (+421)0517570608, Ul. 17. novembra 1, 080 01 Prešov
- Planned topics of dissertations:
- Feeding ecology and ecophysiology of digestive systems in hybrid diploid-polyploid complex of spiny loaches (*Cobitis*; *Teleostei*)
- doc. Ruslan Mariychuk, CSc., E-mail: ruslan.mariychuk@unipo.sk, (+421)517570312, Ul. 17. novembra 1, 080 01 Prešov
- Defended dissertations:
- Influence of environment on the qualitative and quantitative characteristics of secondary metabolites of elderberry population (*Sambucus nigra* L.) and their use for progressive environmental technologies
- Planned topics of dissertations:
- Impact of environmental factors on the qualitative-quantitative characteristics of secondary metabolites peppermint and lemon balm populations and their use for the biosynthesis of nanoparticles of metals
- f) Reference to the research/art/teacher profiles of the supervisors of final theses.
- doc. Ing. Jozef Fejér, PhD.
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/fejer/>
- doc. Mgr. Martin Hromada, PhD.
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/hromada/>
- doc. Mgr. Peter Manko, PhD.
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia-new/kontakty/manko/>

doc. Ruslan Mariychuk, CSc.

<https://www.unipo.sk/fakulta-humanitnych-prirodnch-vied/katedry/ekologia-new/kontakty/mariychuk/>

prof. PaedDr. Ján Koščo, PhD.

<https://www.unipo.sk/fakulta-humanitnych-prirodnch-vied/katedry/ekologia-new/kontakty/kosco/>

prof. RNDr. Ivan Šalamon, CSc., MBA

<https://www.unipo.sk/fakulta-humanitnych-prirodnch-vied/katedry/ekologia-new/kontakty/salamon/>

- g) Student representatives representing the interests of students of the study programme (name and contact details).

Student part of the Academic Senate's representatives (AS FHNS UP):

Bc. Daniel Kamenský - daniel.kamensky@smail.unipo.sk

Mgr. Katarína Fogašová - katarina.fogasova@smail.unipo.sk

Mgr. Vladislava Košová - vladislava.kosova@smail.unipo.sk

Mgr. Monika Lörincová - monika.lorincova@smail.unipo.sk

Ing. Július Varga - julius.varga@smail.unipo.sk

Student part of the Academic Senate's representatives (AS UP, representative for FHNS):

Ing. Hedviga Vašková - hedviga.vaskova@smail.unipo.sk

Members of the Academic Senates represent the interests of students irrespective of their affiliation to the study programme.

- h) Study advisor of the study programme (indicating contact details and information on the access to counseling and on the schedule of consultations).

Ing. Jozef Oboňa, PhD., E-mail: jozef.obona@unipo.sk, (+421)0517570207, Ul. 17. novembra 1, 080 01 Prešov

Access to counselling is possible via e-mail contact or in person at the Department of Ecology FHPV PU in Prešov, room 211. Schedule of consultations: Monday and Friday from 9.00 to 11.00.

- i) Other supporting staff of the study programme – assigned study officer, career counsellor, administration, accommodation department, etc. (with contact details).

Mgr. Anna Boldžárová, Study Department Officer, Phone: (+421)0517570621, Email: anna.boldizarova@unipo.sk

Ing. Miroslav Ganaj, Head of the Faculty Computer Centre, Phone: (+421)0517570610, Email: miroslav.ganaj@unipo.sk

doc. Ing. Jozef Fejér, PhD., career advisor at the Department of Ecology, Phone: (+421)517570312, E-mail: jozef.fejer@unipo.sk

Ing. Peter Haľko, Director of the University Library, Phone: (+421)0517570144, Email: peter.halko@unipo.sk

Drahomíra Tomčáková, administrative worker at the Department of Ecology, Phone: (+421)0517570600, Email: drahomira.tomcakova@unipo.sk

Mária Husárová, accomodation officer, Telefón: (+421)05177 22 851, kl. 101, Email: maria.husarova@unipo.sk

8. Spatial, material, and technical provision of the study programme and support

- a) List and characteristics of the study programme classrooms and their technical equipment with the assignment to learning outcomes and courses (laboratories, design and art studios, studios, workshops, interpreting booths, clinics, priest seminaries, science and technology parks, technology incubators, school enterprises, practice centers, training schools, classroom-training facilities, sports halls, swimming pools, sports grounds).

Spatial provision of the study programme

The University of Prešov provides the activities of the individual departments of the University in its own premises or in rented premises. The largest faculties of the University, the Faculty of Arts and the Faculty of Humanities and Natural Sciences, are situated in the largest building, namely in the University Campus at 17. Novembra, 1, Prešov. The whole complex of buildings consists of five interconnected parts for educational purposes and of facilities of the faculties, lecture halls, lecture rooms and professional workplaces. The building provides all the necessary activities to ensure quality teaching of individual programmes. The total floor area of the building is 25 060 m². It is a building constructed in the 1980s, the building is continuously repaired for the needs of the study fields and faculties. The building houses laboratories and centers of excellence for science and research.

Provision of library services at the place of study programme implementation

The UP University Library is a university workplace providing scientific information, bibliographic, coordination and advisory services to students and employees of the university and, to the extent of its capabilities, to other expert public. University library UP is developing its activity on the foundation of the historical development of education and library culture of the region and continues the traditions established by the Collegiate Library and the Eparchial Library. The mission of the library is mainly to provide free access to information; to help satisfy the cultural, informational, research and educational needs and interests of the university; to promote lifelong learning and the spiritual development of the university. For this purpose, the library provides the following essential and special library-information services: lending services, bibliographic-information services, consulting services, reprographic and other services (processing of the records of the publishing activities of the university staff; bibliographic registration of final and qualifying theses; maintenance of the CU UP Digital Library; organization of scientific literature exhibitions, art exhibitions, concerts, presentations, professional library events, etc.). The library fund contains nearly 225 000 units in total (the annual growth of the library fund is about 4 000 books and 250 periodical titles, while the purchase of documents is carried out on the base of the faculties' requirements with the aim of equal purchase for the needs of all study programmes at UP). Since 2004, the library has been building a Digital Library (a database of electronic full-text publications created by the university staff, which contains over 800 publications). Since 1997, it has been building a database of UP publications, in which it has registered over 66 000 documents. The library provides almost 280 000 loans annually, most of them electronic. The total area of the library is over 2 600 m², of which 1 150 m² is for users. There are 303 study seats in 6 study rooms (2 of which are database rooms). Over 70 000 readers visit the library every year and over 500 000 readers visit the library website. The library has its own computer network (PULIBnet) with 4 servers, 84 computers, of which 45 computers are reserved for users. Annually it publishes a bibliography of UP's publishing activity. The library provides access to 9 paid full-text databases (EBSCO, Gale, ProQuest, Science Direct, Scopus, Springer, Taylor and Francis, Web of Knowledge, Wiley).

Material and technical support of the study programme

Since 2008, the University of Prešov has undergone extensive modernization of classrooms. New equipment has been installed in a total of 165 seminar, lecture and specialized classrooms. These included 136 computers for lecture and seminar rooms, 406 computers for computer and specialized classrooms, 132 data projectors and electric screens, 17 interactive whiteboards and other small equipment. In 2020, 25 of the largest classrooms of the university were further upgraded, ICT equipment and video-presentation technology were upgraded.

Since 2008, within the framework of projects from state funds, modern metallic and fiber-optic computer wiring has been installed and expanded in 14 buildings of the university, including the initial wiring in the rooms of the students accommodated in the UP SJU. A total of 1 694 computer sockets were installed. All buildings have high-speed networks, which typically operate at 1 Gbit/s, but are also ready for the future upgrade to 10 Gbit/s.

Between 2017 and 2020, the University underwent a complete replacement and upgrade of the centrally managed WiFi network at a cost of €154,000, with a total of 298 new access points installed in all buildings.

The scientific-pedagogical workplace of the Department of Ecology has extensive and technical support for students, which currently serves primarily for teaching and research activities within the study program Environmental Ecology (PhD. full-time form).

The department has the following facilities:

- Laboratory of Ecophysiology of Animals and Plants, room 224, is used in the teaching of selected laboratory exercises (with courses Plant Ecology, Ecophysiology and Stress Physiology of Plants, Analytical Chemistry, etc.) and also for research activities of students in the preparation of final theses. It is a research laboratory focused on the analysis of the metabolism of plants and animals in relation to biodiversity and the effects of environmental factors. It is equipped with special technology for extraction and analysis of biological material (chromatographic analytical systems HPLC-DAD-MS / MS and GC-MS) with complete computer accessories. The laboratory is part of the Center for Excellence in Animal and Human Ecology PU.
- Laboratory of Aquatic Insect Ecology, room 287, Research in the Aquatic Insect Ecology Laboratory focuses on the identification, biodiversity and ecology of aquatic insects. The laboratory is equipped with stereo groups, microscopes and cameras with complete computer accessories.
- Fish Ecology Laboratory, Technicom Science Park. The laboratory provides technical support for the breeding of freshwater fish species and provides space for experiments with artificial breeding of endangered fish species. The laboratory is equipped with aquariums with timed lighting, filtration, water heater. The technical superstructure of the laboratory consists of a camera system with infrared lighting suitable for 24-hour shooting of fish in artificial conditions.
- Chemical Laboratory, Technicom Science Park. The laboratory provides technical support for the preparation and manipulation with plant extracts (extractor Heidolph Hei VAP Precision ML-G3), their separation (Shimadzu Prominence LC20A) and characterisation with modern chromatographic equipment Shimadzu LCMS TQ 8030.
- Laboratory of Applied Ecology, room 227. The laboratory is focused on the preparation, sorting and analysis of environmental samples. Its equipment is used for analytical determination of physical, chemical and biological properties of samples (mostly soil and biological samples). It is equipped with a spectrophotometer, water bath, laboratory scales, shaker, and centrifuge, refrigerator for storing samples, microscope and complete computer accessories.
- Experimental Chemical Laboratory, room 228. The laboratory is used for research purposes, primarily for the development of new methods in the field of extraction of natural substances from various types of matrices, and subsequently their biological testing takes place. The laboratory is also used by students to prepare their final theses from various areas of ecological and ecochemical focus. The laboratory is equipped with a spectrophotometer, distillation and extraction apparatus and a wide range of chemical laboratory equipment. The laboratory also includes complete computer accessories.
- Ecochemistry Laboratory, room 229 was built within projects funded by the SF - allows to improve research in the field of environmental chemistry. The laboratory is primarily intended for student exercises. It is equipped with workstations with basic chemical and laboratory equipment. The laboratory also contains complete computer technology.
- Laboratory and Museum of Evolutionary Ecology, room 163, was built within the projects financed by the SF - it expands the current focus of research at the department on aspects of evolutionary ecology, they enable the improvement of research in animal ecology. The laboratory contains depositories for newly described species of animals and stereoscopes and microscopes with PC accessories and basic software.
- Laboratory of Animal Biodiversity, rooms 516/8; 519/9. It focuses on the research of interspecific diversity of animals and the determination of animals at the species level. They are used for the determination of organisms, biometric and ecomorphological analyses, analyses of the food spectrum, acquisition of data for determining the growth and production of organisms. The laboratory is equipped with state-of-the-art optical instruments equipped with the latest technologies with automation, high magnification and maximum depth of field. The trinocular microscope and stereomicroscope are equipped with camera systems, visualization and software for measurements and demanding analyses. In addition, the laboratory is equipped with other state-of-the-art technology focused on environmental factor analyses, aquatic animal taxa determination and other aquatic animal analyses and other analyses related to biodiversity and ecology of aquatic organisms. It is a laboratory of the Department of Ecology, which is part of the Centre of Excellence in Animal and Human Ecology.
- Laboratory of Environmental Biotechnologies I and II, room 516/6. It is a laboratory of the Department of Ecology, which is part of the Center of Excellence in Animal and Human Ecology. It is used for the isolation and determination of natural substances in a study focused on ecophysiological research of animals and plants. The laboratories also include: combined analyzer for clinical biochemistry COBAS INTEGRA 400, automatic clinical-biochemical analyzer with more than 150 applications; fully automated immunochemical analyzer focused on monitoring COBAS e411 biomarkers, atomic absorption spectrophotometer (AAS) usable in the determination of heavy metal contents in soil, plants, animal products and food.
- Laboratory of Molecular Ecology of Animals and Biodiversity, room 225. The laboratory is part of the Center for Excellence in Animal and Human Ecology. It expands the current focus of hydrobiological research with new methodological procedures based on molecular ecology. The laboratory is equipped with a laminar box, thermal cycler, vortex, electrophoresis with accessories, documentation equipment and complete computer equipment.

- b) Characteristics of the study programme information management (access to study literature according to Course information sheets, access to information databases and other information sources, information technologies, etc.).

All workplaces and all classrooms of FHNS are connected to the university network. The faculty has a newly built computer network based on managed switches with a speed of 1Gbit/s, the new structured UTP cabling allows the transition to a speed of up to 10 Gbit/s. All classrooms are equipped with a data projector, an electric screen and a computer connected to the computer network, classroom computers are centrally managed, the computing center is equipped with new powerful servers. This creates the technical conditions for the use of modern information technologies by the staff and students of FHNS.

Students have to log into the faculty network, each student has his/her own password and access rights. FHNS has 4 faculty computer rooms, one of which is used for free student access, and 6 departmental classrooms and laboratories equipped with computer

technology. The university-wide information systems include the Modular Academic Information System (MAIS), which is used for the study administration. All the necessary information is available to students on the faculty or departmental website. Lecturers also provide students with study materials in digitised form, communicate and consult with students also through e-communication or through the website.

Teaching at FHNS UP in Prešov is carried out in well-equipped classrooms and laboratories for teaching and professional activities of students and PhD students. The faculty has 32 classrooms equipped with a network computer, a data projector and an electric screen, 4 classrooms with an interactive whiteboard and one room with a sound system.

All workplaces and all classrooms are connected to the university network, special software is available (statistical software, e-learning systems, Internet media, resources to enable the disabled to participate in the regular educational process).

A number of specialised equipment such as microscopes, stereo microscopes, optical instruments, analysers, samplers, GNSS equipment, UAV equipment, sound level meters, lux meters, multimeters measuring various physical and chemical variables, GPS, wood and metalworking equipment, etc., working in cooperation (control, communication and data transfer) with computer technology, are used in the framework of educational activities.

The scientific-pedagogical workplace of the Department of Ecology is equipped with the following information support:

All laboratories referred to in part (a) are equipped with complete computer technologies.

- Laboratory of Applied Ecology, room 227. The laboratory is equipped with a computer, multifunction device with scanner, data projector, and interactive whiteboard. The computer is equipped with software for statistical calculations - STATISTICA 12 and GIS software.
- Eco-chemistry Laboratory, room 229. The laboratory is equipped with a computer and data projector.
- Laboratory of Aquatic Insect Ecology, room 287, is equipped with a computer with a graphics editor, LEICA software for magnifying glass and microscope, and STATISTICA 12 and PAST software.
- Classrooms 226 and 174 - are equipped with computer stations for teaching. The computers are equipped with STATISTICA 12, PAST and QGIS programs.

The material, physical, and IT support of the study programme of ecology in combination belonging to the scientific-pedagogical workplace - the Department of Ecology FHNS UP in Prešov, has been built for a long time and purposefully and currently serves primarily for education and scientific-research activities within the study programme of Environmental ecology.

- c) Characteristics and extent of distance education applied in the study programme with the assignment to courses. Access, manuals of e-learning portals. Procedures for the transition from contact teaching to distance learning.

The University of Presov uses the e-learning system to support online learning in the Moodle environment. It is available at <https://elearning.unipo.sk/> and contains basic information, courses and guides. The e-learning system in the Moodle environment is available to all students, teachers, and staff of the University of Presov to improve the quality of education. University-wide e-learning provides courses for the UP Faculty of Health Care, UP Faculty of Orthodox Theology and UP Faculty of Sport. Other faculties, including FHNS operate their own e-learning server. In the study programme, we plan to implement a partial transition from full-time to distance learning in case of critical circumstances. From our previous practice, the following implementation has proved to be the most successful during the Covid study period - Interactive form of lectures using MS Teams and feedback using MS Forms tests. Courses, the content of which has a practical orientation, are implemented in compliance with the current epidemiological measures.

Moodle PU: <https://elearning.unipo.sk/>

Moodle FHPV: <https://e.fhvp.unipo.sk/>

- d) Institution partners in providing educational activities for the study programme and the characteristics of their participation.

We plan to participate in the study program in providing and improving the study program and educational activities with:

- Department of Biology and General Ecology, FEES, Technical University in Zvolen
- Institute of Parasitology SAS, Košice
- Institute of Geotechnics SAS, Košice
- Department of Applied Ecology, FEES, Technical University in Zvolen
- Department of Biology and General Ecology, FEES, Technical University in Zvolen
- Department of Landscape Planning and Design, FEES, Technical University in Zvolen
- Department of Food Science, Faculty of Biotechnology and Food Science, SUA in Nitra
- Department of Animal Husbandry and Diseases, Bee Fish, Ecology and Cynology. University of Veterinary Medicine and Pharmacy.
- Department of Biology and Ecology, Faculty of Natural Sciences, Matej Bel University
- Department of Environmental Engineering, Institute of Environmental Engineering, TUKE in Kosice
- Department of Ecology, Faculty of Science, Charles University in Bratislava
- Department of Geography and Geology, Faculty of Natural Sciences, Matej Bel University in Banská Bystrica
- Institute of Parasitology, SAS in Košice
- Center for Plant Biology and Biodiversity of the Slovak Academy of Sciences
- Department of Biology, University of South Bohemia in České Budějovice, Czech Republic
- Department of Biology and Environmental Studies, Charles University in Prague, Czech Republic
- Institute of Environmental Studies and Natural Resources, Mendele University in Brno, Czech Republic
- Department of Animal Morphology, Adam Mickiewicz University Poznan, Czech Republic
- Biologyl Center of the CAS, Department of Soil Biology Department of Soil Zoology

- e) Characteristics of the possibilities for social, sports, cultural, spiritual and social activities.

UP students are provided with accommodation in four different facilities (Student Hostel - Ul. 17. novembra č.11; Student Hostel - Ul. 17. novembra č.13; Student Hostel - Nám. Mládeže č. 2; Student Hostel - Exnárova č. 36) and 2 specialized units (Orthodox Priest Seminary; Greek-Catholic Priest Seminary). The student house creates conditions for independent study and rest of the students in residence, for the cultural, social and sports life and for the development of the students' interests. Accommodation of students is arranged in double-quadruple rooms with separate sanitary rooms in each accommodation unit. In 2018, the renovation of Student Hostel 17. novembra 11 and 13 began, which was completed at the end of 2019. In 2021, the reconstruction of Student Hostel Nám. Mládeže č. 2. was finished. All facilities have internet connection directly in the rooms.

There is a TV room, laundry, and kitchens on each floor. The University Pastoral Centre is available to students on the 11th floor. A hairdressing salon, a beauty salon and a Health centre offer their services on campus. Coffee and candy vending machines are available. University students have the opportunity for free-time sports activities in UP sports facilities such as a swimming pool, gym, multipurpose sports complex, or multifunctional playground. In both semesters of the calendar year 2019, the Faculty of Sports organised the UP University Mixed Volleyball League and UP Football Mini-League for the students at the university, which are of constant popularity. The University Sports Days organized by the Faculty of Sports also have a long tradition, with almost 600 students actively participating in 2019. University students can also develop their sporting interests in several sports clubs and sections of TJ Slávia UP Prešov. Its annual membership consists of around 300 athletes. Every year, the Faculty of Sports also organises several periodic and non-periodic sports and sport-educational activities not only for students, but also for the public of different ages (Spring Run; Children's Sports Olympics of kindergartens; Olympic Pentathlon for Seniors; Run of the Olympic Day; Športáčik; ProSenior movement programme and others). In the implementation of these activities, the Faculty of Sports collaborates organizationally with students, the Prešov Olympic Club, and the City of Prešov.

There are 11 artistic ensembles at UP, which are members of the University Council for Artistic Activities. They function at individual faculties of the university, whose professional guarantors are artistic directors. The members of the ensembles are mainly students at the University. The university's artistic ensembles are an example of the free time use of university students, they represent the university at domestic and international artistic events such as: academic competitions, shows, festivals, TV and radio performances, recordings, they significantly influence the cultural and social life of the university by individual performances and at alluniversity and faculty festive events, they represent and create the image of the university within the city of Prešov, the Prešov region, nationally and internationally.

The University Pastoral Centre of Dr. Štefan Heseck in Prešov (hereinafter UPC) <http://upc.unipo.sk/> is part of the nationwide network of university pastoral centres. Its main task is to care for the spiritual needs of university students and teachers. For its activities at UP, UPC uses the chapel in the Student Hostel on ul. 17. novembra, the TV room in Student Hostel Exnárová 36 and the aula no. 100 at FHNS.

GREEK CATHOLIC YOUTH PASTORAL CENTRE. The Greek Catholic Youth Pastoral Centre (GMPC) www.gmpc.grkatpo.sk, founded by the Archbishop's Office in Prešov, is also active in the spiritual sphere at UP. GMPC cooperates very closely with GTF UP and offers various free-time activities. The role of this center is to offer a space for mostly young people working and studying in the city of Prešov to meet, to engage in dialogue, to live their faith more fully as well as to live their mutuality with each other and with the world. This is done based on friendship, conversations, talks, invited lectures, spiritual and free-time activities.

Students' halls of residence and the canteen: <https://www.unipo.sk/sdi>

Annual report UP (2020):

<https://www.unipo.sk/public/media/9653/Vyrocn%C3%A1sprava%20o%20cinnosti%20Presovskej%20univerzity%20v%20Presove%20a%20rok%202020.pdf>

- f) Possibilities and conditions for participation of the study programme students in mobilities and internships (indicating contact details), application instructions, rules for recognition of this education.

Participation of students of the study programme in mobility and internships (with contacts), guidelines for application, rules for recognition of this education, etc. is organised and legally secured by the Department of International Relations at the University of Presov (<https://www.unipo.sk/en/en/ir/>) and International Relations Office FHNS UP (<https://www.unipo.sk/en/faculty-of-humanities-and-natural-sciences/international-relations/>). The study programme allows for adequate learning outside the university in domestic and foreign institutions, in particularly through the promotion of mobility. The results of this learning are recognised by the university. Mobility is regulated in the Study Rules in the section on the organisation of educational activities. Approval for mobility is granted by the Dean/Rector or, where appropriate, the Vice-Dean/Vice-Rector for International Relations. Part of the study is recognised in accordance with the Treaty, the European Standard and the European Credit Transfer System. The Rector's Decision "Procedure for the Implementation of Outgoing Student Mobility under the Erasmus+ Programme" is issued at the University of Presov (UP) based on the provisions of Section 15(1)(l) of Act No. 131/2002 Coll. on Higher Education and on Changes and Supplements to Some Acts, as amended. For exchange students, credits are evaluated based on their acquisition, i.e., the degree of compliance of the completed course with the given study programme is evaluated by the guarantor of the study. If the student is interested, he/she can also enrol in courses at his/her home institution and take the course by distance learning if the nature of the course allows it. Motivational videos, processes, procedures and guides for applying, selecting and completing mobilities are published on the websites:

https://www.unipo.sk/public/media/15742/outgoing_student_mobilita_uvv.jpg

<https://www.youtube.com/watch?v=ZRMnQ08NMfg>

https://www.unipo.sk/public/media/15172/Var%C5%A1ava_E+.mp4

<https://www.facebook.com/Presovskauniverzita/videos/1143643639391766>.

Study Rules UP: <https://www.unipo.sk/public/media/0190/STUD%2024.9.18%20pdf.pdf>

Rector's Decision: <https://www.unipo.sk/public/media/10602/Opatrenie-rektora-8-05-31.pdf>

The Department of Ecology has students' and teachers' mobility agreements within Erasmus+ program with following partner universities:

State	Name of institution	Web page	Number of teachers	Number of students
Czech republic	Univerzita Karlova v Praze	http://www.cuni.cz/UK-928.html	0	0
Finland	Oulu University of Applied Sciences	www.oamk.fi/en	1	2
Italy	Università degli Studi di Messina	http://www.unime.it/it/international	2	2
Italy	Università degli Studi della Basilicata	http://internazionale.unibas.it/site/home.html	2	2
Lithuania	Vytautas Magnus University	http://www.vdu.lt/en/studies/courses/	2	0
Poland	University of Lodz	http://www.iso.uni.lodz.pl	2	0

Poland	Adam Mickiewicz University in Poznań	http://international.amu.edu.pl/	2	0
Poland	Siedlce University of Natural Sciences and Humanities	http://www.uph.edu.pl/en/	3	0
Poland	University of Zielona Gora	https://www.uz.zgora.pl/index_en.html	2	0
Poland	University of Wrocław	https://international.uni.wroc.pl/	2	0
Romania	Universitatea Lucian Blaga din Sibiu	http://www.ulbsibiu.ro/en/	2	0
Spain	University of Granada	http://www.ugr.es/pages/universidad/granada	2	0
Estonia	Tallinn University of Technology	http://www.ttu.ee/en	2	0
Hungary	Esterházy Károly Főiskola	http://www.uni-eger.hu/en/ekf-college/international-students/erasmus-	2	0
Hungary	Kaposvár University	www.erasmus.ke.hu	2	0
Romania	University of Craiova	http://www.ucv.ro/en/	1	2
Serbia	Educons University	http://educons.edu.rs/international-cooperation/activities	2	0

9. Required abilities and admission requirements for the study programme applicants

a) Required abilities and necessary admission requirements.

The long-term goal and strategic objective of the University is to prepare quality graduates in accredited study programmes. The precondition for achieving this goal is to admit students who meet demanding quality criteria. The University has developed a system of procedures for the admission of students elaborated in the Study Rules of The University of Presov in Articles 3 through 9 and in the Rector's Decision Admission Procedure.

The specific conditions of the admission procedure, corresponding to the specifics and peculiarities of study programmes, have been elaborated by each faculty. At FHNS UP, applicants are admitted to all bachelor study programmes without an entrance examination. Admission is based on the results obtained during high school studies (the academic average of the end-of-year school reports and the graduation certificate). If the number of applicants exceeds the faculty's capacity, priority will be given to applicants with a better academic average.

In determining the order of admission, the resulting academic average will be multiplied by the coefficient for the secondary school type: grammar school 0.6, secondary vocational school 0.8 and secondary apprentice school 1.0).

The admission procedure for a study programme applicant begins with the delivery of his/her written application for study to the faculty or university that implements the relevant study programme. In addition to the compulsory written application, the faculty also allows the delivery of the application in electronic form without a guaranteed digital signature, using an information system that enables the applicant to verify its registration in the information system from the date of its submission until the date of the end of the admission procedure. The dean may decide whether the admission procedure will include an entrance examination or whether applicants will be admitted without an entrance examination. In justified cases, the dean of the faculty may announce a second round of the admission procedure. In the case of a study programme conducted at a university, the rector decides on matters in which the dean has a decision-making power. The course and timetable of the entrance examination are determined by the dean of the faculty. The faculty determines the form and content of the entrance examination. The dean appoints the chairpersons of examination boards and admissions committees. The entrance examination takes place on the appointed date; however, the faculty may also appoint an alternative date. The dean may be asked for an alternative date for the admission examination by applicants who are attending secondary school abroad in the relevant year. The dean decides on admission to study. The dean's admissions committee, whose members are appointed by the dean, is an advisory body to the dean. The rector decides on admission to a study programme at the university. The rector's admissions committee, whose members are appointed by the rector, is an advisory body to the rector. The decision on the outcome of the admission procedure must be given in writing within 30 days of verification that the conditions for admission have been fulfilled. The decision must contain a statement, justification, and an instruction on the possibility of applying for a review of the decision. An applicant who does not prove that the basic conditions for admission have been met at the time of verification of admission conditions, may be admitted with condition that he or she is under an obligation to prove that the basic conditions for admission are met no later than on the date set for enrolment.

UP Rector's Decision No. 5/2021 Admission Procedure:

https://www.unipo.sk/public/media/0190/OR_prijimacie_konanie-2.docx.pdf

b) Admission procedures.

Admission procedures to study at the University of Presov are organizationally and legally anchored in the Rector's Decision No.5/2021 and are available at:

https://www.unipo.sk/public/media/0190/OR_prijimacie_konanie-2.docx.pdf

(subchapter 5.1 Information on the admission process).

Specific and detailed information about the admission process for FHNS study programmes are available at:

<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/informacie-pre-uchadzakov/pk/>

c) Results of the admission process over the last period.

Academic year	Number of applications	Number of accepted students
2017/2018	2	2
2018/2019	1	1
2019/2020	3	1
2020/2021	4	1

2021/2022	0	0
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10. Feedback on the quality of provided education

- a) Procedures for monitoring and evaluating students' opinions on the study programme quality.
The organizational and legal aspects of the processes for monitoring and evaluating students' opinions on the study programme quality are published at:
<https://www.unipo.sk/search/?q=sp%C3%A4tn%C3%A1+v%C3%A4zba>
<https://www.unipo.sk/rozvoj/MIKT/dotaznik/>
Feedback on the quality of the provided education is carried out on a regular basis (every semester) through a questionnaire in the MAIS system.
- b) Results of student feedback and related measures to improve the study programme quality.
The results of the student feedback are presented and consulted at the FHNS Dean's Collegium meeting.
Evidence: Minutes of the FHNS Dean's Collegium meeting.
- c) Results of graduate feedback and related measures to improve the study programme quality.
The results of graduate feedback on the SP submitted for accreditation, implemented at the university level were presented and consulted at the FHNS Dean's Collegium meeting.
The results of the feedback from graduates and employers' representatives on Ecology and Environmental ecology study programmes, the curriculum and the information sheets provide written comments, critical observations, suggestions and recommendations on the curriculum, the content of individual courses and the information sheets. The protocols of the meeting with graduates on 17.02.2022 and with employers' representatives on 18.02.2022 are available.
These comments and observations were noted and discussed at the department's work meeting on 21.02.2022 and some of them were incorporated into the content of the Course Information Sheets. Measures related to the improvement of the quality of the study programme are in accordance with the documents Basic Principles of Assurance and Evaluation of the Internal Quality System of the University of Presov:
https://www.unipo.sk/public/media/37750/Opatrenie%20rektora%20%C4%8D_1_2021_V%C3%BDchodiskov%C3%A9%20principy%20zabezpe%C4%8Dovania%20VSK%20PU.pdf
Directive on the creation, modification, approval, cancellation of study programmes and submission of applications for accreditation of study programmes and fields of habilitation procedures and inauguration procedures at the University of Presov:
https://www.unipo.sk/public/media/38257/Smernica%20%C5%A0P_%20HK_%20IK%20PU.docx.pdf

11. References to other relevant internal regulations and information concerning the study or the study programme student (e.g., study guide, accommodation regulations, fee directive, guidelines for student loans, etc.).

<https://www.unipo.sk/>
<https://www.unipo.sk/vzdelavanie/>
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied>
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/hlavne-sekcie/vz/>
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/hlavne-sekcie/VSK/>
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/AS-FHPV/>
<https://www.unipo.sk/informacie-o-univerzite/ouniverzite/dokumenty/>
<https://www.unipo.sk/vsk/dvsk/>
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/ekologia/>