

Description of the study programme – curriculum¹

Name of the higher education institution: University of Prešov (UP)
Address of the higher education institution: Prešov
Identification number of the higher education institution: 717000000
Name of the faculty: Faculty of Humanities and Natural Sciences (FHNS)
Address of the faculty: 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: xx.xx.2021

Date of the latest change² 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.³:

1. Basic information about the study programme

- a) *The name of the study programme and the number according to the register of study programmes.*
Biology; UIPŠ code: 1536T00 (17227) = Master
- b) *Level of higher education and ISCED-F code of the level of education.*
Stage 2 (Master) ISCED code 767
- c) *Place(s) of implementation of the study programme.*
717000000 University of Prešov/717050000 Faculty of Humanities and Natural Sciences
- d) *The name and number of the field of study in which the completion of the study programme will give a university degree, or a combination of two fields of study in which a university degree is obtained by completing the study programme, the ISCED-F Codes of the field/degree⁴.*
Biology, 1536, ISCED-F Code: 0511 Biology
- e) *Type of study programme:*
Academically oriented study programme: Biology
- f) *Awarded academic title.*
Master
- g) *Form of study⁵.*
Daily
- h) *In joint study programmes cooperating universities and defining which study duties are fulfilled by the student at which university (Section 54a of the Higher Education Act).*
The study program is not shared with another university.
- i) *The language(s) in which the study programme takes place⁶.*
Slovak language
- j) *Standard length of study expressed in academic years.*
2 years
- k) *Study programme capacity (planned number of students), actual number of applicants and number of students.*
The capacity for a full-time Master study for the first year is up to 30 students. The number of applicants in the academic year 2021/2022 was 23. The number of students is 15 (AR 2021/2022).

¹ The university prepares the description of the study programme as an annex to the application for accreditation of the study programme.

- When submitting an application pursuant to Section 30(1) of Act No 269/2018, the higher education institution shall include in the description only the data available at the time of the application.
- After granting accreditation (or internal approval of the study programme by the authority approving the study programmes of the university with the rights to create programs in the field and with the level), the university will permanently make the description available to the interested parties of the study programme.
- The university freely chooses the form of processing, visualisation and publication of the description, suitable for students, teachers and processors.
- The College may refer in individual sections of the description to another internal document that sufficiently describes the area concerned and is publicly accessible.
- The College may refer to a location in the IT system containing the relevant current information in each section of the description.
- The university will ensure that the description is up-to-date (if the description change has the nature of a modification of the study programme and the change is made pursuant to Section 30(9) of Act No 269/2018, it will make the change and publish it only after approval by the Agency).

² If the change is not a modification of the study programme according to § 30 of Act no. 269/2018 Coll.

³ It is stated only if the accreditation of the study programme has been granted according to § 30 of Act no. 269/2018 Coll.

⁴ According to the International Standard Classification of Education. Education and Practice Departments 2013.

⁵ Pursuant to Section 60 of Act No 131/2002 on universities.

⁶ Means the languages in which all learning outcomes are achieved, all related subjects of the study programme and the state examination are carried out. The College shall separately provide information on the possibility of studying partial parts/subjects in other languages in section 4 of the description.

The curriculum of the curriculum description is used for processing Annex 2 of the application for accreditation of the study programme.

2. Graduate profile and learning objectives

- a) *The university describes the goals of study program education as the student's abilities at the time of completion of the study programme and the main learning outcomes⁷.*

In the study programme, the level of qualification acquired by students through their successful completion is clearly specified and communicated, and the qualification corresponds to the appropriate level of education according to the qualification framework. Objectives and measurable learning outcomes correspond to the level of the Slovak Qualifications Framework in the European Higher Education Area: second stage – Master, level SKKR 7

Proof of qualification is a university diploma, a state examination certificate and a diploma supplement.

In accordance with the Slovak Qualifications Framework (SQF level 7), the graduate of the Master study has the following knowledge, skills and competences:

- has general knowledge at the level of evaluation;
- has professional and methodological knowledge in several fields of discipline or practice, serving as a basis for innovation and originality in practice or research;
- can propose and evaluate solutions to methodological, professional, practical or scientific problems from several fields of discipline or practice;
- can formulate recommendations for the development of a given field of science or work;
- is able to establish scientific or practical prerequisites for solving problems;
- can implement and evaluate solutions of methodological, professional, practical or scientific problems from several fields of discipline or practice,
- develop guidelines, implementation projects and evaluation procedures for activities from the Department;
- he is characterised by a high degree of autonomy and foresight in both known and unknown environments;
- he is characterised by initiative and responsibility for managing the work of the work team;
- he is characterised by innovative, creative thinking,
- he is characterised by a professional presentation of the results of his own study or practice.

Source: <https://www.minedu.sk/data/att/13619.pdf>

Profile of the graduate and objectives of education in accordance with the Description of the study field Biology

The graduate has extensive professional and methodological knowledge in several specific fields of study, as well as knowledge from several chemical disciplines and related scientific disciplines. It can independently use biological and chemical, mathematical and informatic methods to solve practical tasks and can draw conclusions from them. He is able to creatively and independently solve the problems of biological research and practical tasks of applied biology. He has knowledge and skills in methods of researching living systems at the level of molecule, cell, individual, population, community and ecosystem. It can assess the essential contexts, principles and theories from the field of study. The graduate can design and evaluate solutions of methodological, professional, practical and scientific problems and problems of practice. The graduate is able to work with instruments and materials used in basic and applied biological research and to analyse acquired data obtained during experiments or in the field using mathematical-statistical methods. It can formulate recommendations for the development of the relevant field of science. He is able to work effectively as a member of the team and manage the working team at an appropriate level of management. The graduate demonstrates a high degree of autonomy in solving problems and projects in the field of study. Demonstrates the ability to work effectively as an individual, member or team leader. It has innovative thinking and is ready to present expertly the results of its own analysis and study in the field of biology of a wide professional as well as a lay public.

Available at: <https://www.slov-lex.sk/pravne-predpisy/SK/ZZ/2019/244/20190901>

Specific profile of the graduate and objectives of the study programme Biology (Master, daily form)

Graduates are profiled by graduating from subjects that develop their theoretical knowledge, practical skills and abilities as stated in the course information sheets. By graduating from the 2nd degree of study in Biology, the student acquires the skills and skills that allow him to continue his rigorous study or in the 3rd degree (PhD.) of university studies in the field of study Biology and related fields.

During his/her studies, the student collects information from the field of study biology, conducts experiments, analyses and summarises the information obtained, applies it to solving problem tasks. This equipment of the graduate predisposes to successful application in the labour market, where in its future application he can independently solve research tasks within basic and applied biological research, has sufficient knowledge and skills in methods of research of living systems at various levels of their organisation, including modern molecular-genetic methods. The graduate of the study program specialises in one or more areas of biological sciences (anthropology, genetics, ethology, molecular biology, immunology, etc.) or interdisciplinary sciences (cytogenetics, clinical anthropology, biopharmacology, ecophysiology, ecophysiology, ecological biophysics, etc., and with its abilities and skills can significantly contribute to the impact and quality of life and health of humans, animals or plants.

The study programme is the content of its educational units listed in the recommended curriculum prepared so that graduates have wider possibilities of application according to the current requirements of the labour market. Graduates are able to apply to the labour market on

⁷ *Learning objectives in the study programme are achieved through measurable learning outcomes in individual parts (modules, subjects) of the study programme. They correspond to the appropriate level of the Qualifications Framework in the European Higher Education Area.*

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the basis of their knowledge, abilities, skills and competences resulting from the completion of the 2nd degree in the field of biology (the ability to isolate and analyse DNA of various organisms, including humans, for use in medicine, genetics, criminals in archaeology and other fields; perform somatometric analyses; analyse skeletal remains from archaeological sites and obtain information about people's lives in the past, effectively obtain, analyse and assess genetic and cytogenetic data, evaluate the impact of changes in biochemical and immunochemical parameters on human or other organisms' health and other abilities and skills.

Course Information sheets available at:

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

Theoretical knowledge:

- the student has a deep and transversal knowledge in the field of biology, including knowledge of connection and relationships to related disciplines;
- the student has theoretical knowledge and understands the essential facts, principles, theories, methods and procedures in biology,
- the student can apply the acquired knowledge in solving basic and applied biological research,
- the student understands the links between biological sciences and other science disciplines.

Practical skills and skills:

Student:

- can actively acquire new knowledge and information, integrate and use them in applications for the development of biology and related disciplines;
- can solve theoretical and practical tasks in the field using theory and R & D procedures in a creative way
- can contribute to the development of the field by acquiring new knowledge in solving the above-mentioned tasks
- is able to use methods of biological and selected chemical and mathematical-statistical sciences;
- is able to work with apparatus, equipment and material in the field of basic and applied biological research;
- is able to analyse and synthesise data generated in experimental research and in the field;
- can propose a possible solution to the problem based on the data obtained.

Competences:

Student:

- is able to learn independently using relevant professional information sources;
- can solve problems, coordinate procedures in teams and decide independently and responsibly in a changing environment;
- is ready to take responsibility for its actions and decisions, taking into account the wider societal implications;
- identifies and appropriately applies ethical, social and other principles to its activities
- can formulate information about the process and results of task solving, can communicate effectively, present conclusions and their rationale to experts and lay public;
- can use acquired knowledge and skills for professional and personal development.

b) *The university indicates the professions for which the graduate is ready at the time of graduation and the potential of the study programme from the point of view of graduates' application.*

After successful completion of the Master's degree and fulfilment of the conditions of the admission procedure, the graduate may continue rigorous studies (RNDr., PaedDr.) and/or in the 3rd degree (PhD.) university studies in the field of study Biology and related fields.

A graduate of Biology can apply:

- in various positions in state administration, self-government and private sector with research and technology focus
- within workplaces with biological focus in the form of laboratory or field research
- as a researcher or scientist in both basic and applied research
- as an employee in diagnostic laboratories
- as a project manager for projects with biological and environmental issues
- as a consultant and assessor in the field of life sciences
- in a pharmaceutical, biotechnology or food-oriented industry
- in companies in the development and sale of bio-based products, equipment for biological laboratories
- as a field biologist for protected areas, ornamental parks and gardens

The occupations referred to in point (b) above are indicated on the basis of the Annex to Decree No 516/2011 Coll. Statistical classification of occupations SK ISCO-08, which is available at: https://www.kvalifikacie.sk/sites/nsk/files/employers/sk_isco-08_0.pdf; https://www.sustavapovolani.sk/register_zamestnani

Example: Code number: 2131001 Name of profession: A biologist.

Code number: 3212006 Name of profession: Medical Labist, Laboratory Diagnostics in Methods in Clinical Genetics

Code number: 1342010 Name of profession: Managing Healthcare Professional – Laboratory Diagnostics

Code number: 2422016 Name of profession: Specialist in Science, Research and Innovation Development

Code number: 2433001 Name of profession: The Pharmaceutical Representative

c) *Relevant external stakeholders who have provided an opinion or a favourable opinion on the compliance of the acquired qualification with the sector-specific requirements for the exercise of the profession⁸.*

IMUNA PHARM, a.s., based in Šarišské Michaľany and Adla, s.r.o., based in Prešov, provided its assessments and opinions.

⁸*In the case of regulated professions in accordance with the requirements for the acquisition of professional competence under a special regulation.*

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3. Applicability

a) Assessment of the applicability of study programme graduates.

- It informs in the previous point 2 b) of the possibilities for graduates.
- Statistics on the applicability and employment of graduates show that up to 64 % of graduates apply to the labour market, with 57 % in the field of education. The unemployment rate is less than 20 %.
- Some graduates of the 2nd degree of the Biology study programme (approximately 20 %), continue their further studies at the 3rd level of university studies.

Available at: <https://uplatnenie.sk/?degree=V%C5%A0&vs=717000000&faculty=717050000&field=1536T00&year=2019>

Information on the applicability or unemployment of graduates can be traced through the Central Student Register (CSR). Other necessary information can be generated by the study department of FHNS UP both from the CSR and from the UPSVaR records.

b) Alternatively, indicate successful graduates of the study programme.

As successful graduates of our current study programme, we can mention:
Mgr. Iveta Tóthová, PhD. researcher, 1st Faculty of Medicine, Charles University
Mgr. Zuzana Gogaľová, PhD. researcher, Czech Academy of Sciences

c) Evaluation of the quality of the study programme by employers (feedback).

Feedback focused on studying the quality of the study programme is carried out continuously within the framework of mutual cooperation, mostly through individual interviews with employees of different workplaces, focusing on the quality of the composition of the study programme and the quality of the profiling components of graduates. The information obtained is evaluated during working sessions by members of the Department of Biology.

We consider feedback from cooperating parties to be very important in terms of its contribution to innovation and improving the quality of study programmes. We asked the potential employers of our graduates to assess the quality of the submitted study programme Biology. IMUNA PHARM, a.s., based in Šarišské Michalany (represented by Mgr. Ema Jankaničová, PhD.) and Adla, s.r.o., established in Prešov (represented by Ing. Lýdia Fejerčáková), provided its assessments and opinions to us. The meetings took place via MS Teams, email and telephone communication. Minutes of the meetings were drawn up in the Administrative Records section (ADMIN_FAKULTA). We did not notice any major comments on the creation, modification, composition of the RSP and the quality of the graduates. Substantiated comments were discussed at the working meetings of the study programme sponsors and incorporated into the description of the study programme. The harmonisation of the study programme of Biology and the incorporation of comments on the quality of the study programme were carried out in accordance with the formalised processes of the internal system, which are enshrined in documents:

Basic principles of assurance and evaluation of the internal quality system of the University of Prešov in Prešov:

https://www.unipo.sk/public/media/37750/Opatrenie%20rektora%20%C4%8D_1_2021_V%C3%BDchodiskov%C3%A9%20principy%20zabezpečenia%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 procedure and inaugural proceedings at the University of Prešov in Prešov:

https://www.unipo.sk/public/media/38257/Smernica%20%C5%A0P_%20HK_%20IK%20PU.docx.pdf

The documents declare an independent, unbiased, objective, professionally sound, transparent and fair assessment of the proposal and approval of a study programme involving students, employers and other stakeholders. At the same time, it is guaranteed that the persons assessing and approving the study programme are different from those involved in the preparation of the draft study programme.

All current legislative changes and requirements resulting from them have been incorporated without delay in the study programme.

The working meetings of the Department of Biology for the Biology Study Programme and the Reports on Study Programme Observations by Stakeholders can be found in the section Administrative Records (ADMIN_FAKULTA), as well as the opinion of the person responsible for the study programme on the incorporation of interested parties' comments on the study programme.

4. Structure and content of the study programme⁹

a) The university will describe the rules for shaping study plans in the curriculum.

The study programme takes into account the mission as well as the objectives set by the Faculty of Humanities and Natural Sciences in the field of science and research and in the field of education. The study programme was made up of trends in the development of such targeted programmes in Europe and the world, taking into account the attractiveness of secondary school students. The study programme was created in accordance with the needs of practice, therefore one of the main aspects in the design of subjects was an aspect of the applicability of knowledge and competences in real practice. The profile subjects of the study programme are compulsory or optional subjects set in such a way that the student, after graduating, acquires knowledge or skills that are essential for the completion of the study programme. Profile subjects represent the theoretical and methodological basis in the relevant field of education. Together with other learning activities offered to the student in the form of selection subjects, they will enable the student to access the knowledge and skills relevant to achieving the learning outcomes in the graduate profile and his/her personal and professional development. In accordance with the Dublin descriptors and at the same time according to the National Qualifications Framework, graduates of the SBS will receive the 7th level of qualification (SKKR 7).

The main starting points for the development of the curriculum of the study programme *Biology* are:

- Description of the study field No. 3 Biology

⁹ Selected characteristics of the content of the study programme can be listed directly in the Course Information Sheets or supplemented by the Course Information Sheets.

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- Graduate profile
- Areas profiling and forming the core of the field of study and study programme
- Credit system legislation
- Internal regulations of the UP in Prešov <https://www.unipo.sk/vzdelavanie/vnutorne-predpisy/>)
- Long-term intention of FHNS UP: <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/rozvoj/dlhodoby-zamer/>
- Selected characteristics of the content of the study programme are presented directly by the Course Information sheets which are available at:
<https://student.unipo.sk/maisportal/studijneProgramy.mais;jsessionId=2544DDDA91EC54DFD28389F06353EE34>

Rector's Directive 10/2021: https://www.unipo.sk/public/media/37750/OR_x-2021_zosuladovanie.pdf

b) *The university will draw up recommended study plans for individual ways in the study¹⁰.*

In terms of par. 3 Decree No. 614/2002 Coll. On the credit system of study subjects included in the study program Biology according to the binding nature of their completion are divided into:

- compulsory – their successful completion is a condition for successful completion of part of the study or the entire study programme,
- compulsory optional – the condition of successful completion of part of the study or the entire study programme is the successful completion of a specified number of these subjects according to the student's choice in the structure determined by the study programme,
- optional – other subjects that the student has the opportunity to enrol to complete their studies and to obtain a sufficient number of credits in the relevant part of the study (Section 51(4)(i) of the Act).

Subjects included in the study programme are broken down into:

- subjects conditional on successful completion of other subjects; registration of such subject is conditional upon successful completion of another subject (conditioning subject) or other subjects,
- subjects without follow-up; registration of such subject is not conditional upon completion of another subject

The State Examination (Section 63(1) of the Act) is considered an subject.

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

Course Information sheets:

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

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

Rector's Directive 10/2021: https://www.unipo.sk/public/media/37750/OR_x-2021_zosuladovanie.pdf

c) *In the curriculum, as a rule, it shall state:*

- *individual parts of the study programme (modules, subjects and other relevant school and extracurricular activities, provided that they contribute to achieving the desired learning outcomes and bring credits) in the structure of compulsory, compulsory optional and optional subjects;*

Recommended Study Plan

Field of study: Biology
Study programme: Biology
Grade: 2. (Master's degree)
Form: daily (2 years)

A. Compulsory items

Code	Compulsory units	ECTS credit	Scope	Form of termination	Year	Semester	Name of teacher
	Human Genetics*	6	2/0/2	E	1.	1.	Prof. RNDr. Jarmila Bernasovská, PhD.; RNDr. Daniela Grejtáková, PhD.
	Human Ecology*	4	2/1/0	E			Assoc. Prof. RNDr. Marta Mydlárová Blaščáková, PhD.; PaedDr. Silvia Durank, PhD.
	Immunology*	5	2/1/0	E			Assoc. Prof. RNDr. Iveta Boroňová, PhD.
	Molecular Biology II.	5	3/0/0	E			Assoc. Prof. RNDr. Eva Petrejčíková, PhD.
	Practises of molecular biology*	3	0/0/2				Assoc. Prof. RNDr. Eva Petrejčíková, PhD.; RNDr. Daniela Grejtáková, PhD.;
	Anthropology*	6	2/2/0	E		2.	Prof. RNDr. Jarmila Bernasovská, PhD.; RNDr. Jana Gaľová, PhD.

¹⁰ In accordance with Decree No. 614/2002 Coll. on the Credit System of Studies and Act No 131/2002 Coll. on Higher Education and on Amendments and Supplements to Certain Acts.

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	A Major anthropological practicum *	3	16 hours	A	2.	3.	Prof. RNDr. Jarmila Bernasovská, PhD.
	Virology*	4	2/1/0	E			Assoc. Prof. RNDr. Iveta Boroňová, PhD.
	Cytogenetics*	5	2/0/1	E			Assoc. Prof. RNDr. Iveta Boroňová, PhD.; Assoc. Prof. RNDr. Dana Dojčáková, PhD.
	Cultural and social anthropology*	5	2/1/0	E	2.	3.	Prof. RNDr. Jarmila Bernasovská, PhD.; Mgr. Alexander Mušínska, PhD.
	Human cytogenetics*	5	2/0/2	E			Assoc. Prof. RNDr. Iveta Boroňová, PhD.
	Clinical Anthropology*	3	1/0/1	E			Assoc. Prof. RNDr. Iveta Boroňová, PhD.; RNDr. Jana Gaňová, PhD.
	Professional practice*	6	80 hours	A			MVDr. Soňa Mačková, PhD.
	Diploma thesis seminar*	4	0/2/0	A		4.	MVDr. Soňa Mačková, PhD.

Comments:

*Profile items

Subjects of the State Final Examination

Code	Subject name	Number of credits	Scope R/S/E	Form of termination	Year of study	Semester	The subject ensures
	Diploma thesis defence*	14		E State Final Exam	2.	4.	Prof. RNDr. Jarmila Bernasovská, PhD.
	Biology*	6		E State Final Exam	2.	4.	Prof. RNDr. Jarmila Bernasovská, PhD.

Comments:

*Profile items

B. Compulsory optional items

Code	Subject name	Number of credits	Scope R/S/E	Form of termination	Year of study	Semester	Name of teacher
	Biopharmacology	4	1/1/0	CA	1.	1.	RNDr. Daniela Grejtáková, PhD.
	Parasitology*	4	1/0/1	CA			MVDr. Soňa Mačková, PhD.; Mgr. Andrea Babejová, PhD.
	Gene Manipulation I.*	4	2/0/0	CA			Assoc. Prof. RNDr. Eva Petrejčíková, PhD.
	Ecophysiology*	4	2/0/0	CA			Prof. MVDr. Janka Poráčová, PhD., MBA; RNDr. Mary Final, PhD.
	Mineralogy, petrography and geology	4	2/0/2	E			Ing., Mgr. Vladimír Pramuk, PhD., MPH
	Ecological biophysics	4	2/0/0	CA		2.	PaedDr. Silvia Durank, PhD.
	Gene manipulation II. ¹ *	4	2/0/0	E			Assoc. Prof. RNDr. Eva Petrejčíková, PhD.
	Biometrics	4	2/0/2	E			Assoc. Prof. RNDr. Marta Mydlárová Blaščáková, PhD.; Assoc. Prof. RNDr. Vincent Sedlák, PhD.
	Practice of Human Genetics*	4	26 hours per semester	CA			Assoc. Prof. RNDr. Dana Dojčáková, PhD.
	Biological rhythms of animals and human*	4	1/0/1	CA			Assoc. Prof. RNDr. Marta Mydlárová Blaščáková, PhD.; RNDr. Mary Final, PhD.
	Molecular cytopathology*	4	1/1/0	CA			Assoc. Prof. RNDr. Iveta Boroňová, PhD.
	Ecotoxicology	4	2/0/0	E	2.	3.	Assoc. Prof. RNDr. Vincent Sedlák, PhD.

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	Selected chapters from biomonitoring and biomarkers	4	1/1/0	E			Assoc. Prof. RNDr. Marta Mydlárová Blaščáková, PhD.
	Forensic identification of persons	2	1/0/1	CA			Assoc. Prof. RNDr. Eva Petrejčíková, PhD.; RNDr. Jana Gaľová, PhD.
	Human Ethology*	5	2/1/0	E			Assoc. Prof. RNDr. Marta Mydlárová Blaščáková, PhD.; RNDr. Alexander Csanady, PhD.
	Bioinformatics	3	0/2/0	CA			Mgr. Mária Majherová, PhD.

Comments:

*Profile items

1, Compulsory optional subject Gene manipulations I. is a pre-requisition of the compulsory optional subject Gene manipulations II.

C. Optional items

Code	Subject name	Number of credits	Scope R/S/E	Form of termination	Year of study	Semester	Name of teacher
	Basic principles of biological research and bioethics 2	1	0/1/0	A	1.	2.	RNDr. Michaela Zíg, PhD.; MVDr. Soňa Mačeková, PhD.

Selected subjects are chosen by the student from the whole university offer of subjects. For selected subjects, the student may receive a maximum of 5 % of the total number of credits required for the proper completion of their studies during the course of their studies.

- indicate in the study programme **the profile subjects** of the relevant study way (specialisations);

In the RSP biology, profile objects are marked * (asterisk).

- for each educational part/subject, defines the learning outcomes and related criteria and rules for their evaluation so that all educational objectives of the study programme are met (they can only be listed in the course information sheets in the Education Outcome section and in the section Conditions of completion of the course),

The learning outcomes, criteria and rules for the evaluation of individual subjects and educational parts refer to the *course information sheets in the sections Educational Outcomes and Conditions for Graduation*.

Course Information sheets:

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

- pre-provisions, corrections and recommendations in the design of the study plan,

Subjects requiring continuity in the development of knowledge, competences and in particular practical skills create interlinkages. Conditional subjects, i.e. pre-provisions, the successful completion of which is conditional upon the enrolment and study of the subsequent subject, are listed in the Course Information Sheets in the *section Conditioning Objects* and are made available to students in the MAIS of UP. The obligation given by the pre-provision must be fulfilled before the entry of another object.

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

Course Information sheets:

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

- determine for each educational part of the curriculum/subject the educational activities used (lecture, seminar, exercise, final thesis, project work, laboratory work, internship, excursion, field practice, professional experience, state examination and others, or combinations thereof) suitable for achieving learning outcomes;

Educational activities suitable for achieving learning outcomes are for each subject listed in the Course Information Sheets in the section Type, scope and method of learning activity and are made available to students in MAIS UP.

Course Information sheets:

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

- the methods by which the educational activity is carried out – face-to-face, distance, combined (in accordance with the Subject Course Information Sheets),

The methods of implementation of educational activities are for each subject listed in the Course Information Sheets in the section Type, scope and method of educational activity and are made available to students in MAIS UP.

Course Information sheets:

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

- the curriculum/syllabus of the course¹¹,

¹¹ Teachers providing the subject during the assessment will allow the working group to access the study materials of the subject and the content of individual learning activities.

The curriculum of the curriculum description is used for processing Annex 2 of the application for accreditation of the study programme.

A brief outline of each item is listed in the Course Information Sheet.

During the assessment, teachers providing courses will allow access of the working group to the study materials of the subjects and the content of individual learning activities.

- *the student's workload ('scope' for individual subjects and learning activities separately)¹²,*

The student's workload within individual subjects and educational activities (contact and non-contact teaching and activities) is presented by individual course information sheets. RSP of SP Biology takes into account the recommendations made in the European Credit Transfer and Accumulation System (ECTS), which increases the transparency of study, is based on the principles of flexibility, consistency, reliability, transparency and open dialogue in order to improve the quality of higher education when determining the learner's burden.

ECTS Users' Guide 2015: <https://op.europa.eu/en/publication-detail/-/publication/da7467e6-8450-11e5-b8b7-01aa75ed71a1>

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

Rector's Directive 10/2021: https://www.unipo.sk/public/media/37750/OR_x-2021_zosuladovanie.pdf

- *credits allocated to each lot based on the learning outcomes achieved and the related workload;*

The number of credits is allocated to each subject according to the achieved outputs and learning activities and is related to the workload of the student. The number of credits and the student's encumbrance shall indicate each information sheet of the subject separately. When determining the student's workload, it is based on the rule that 1 credit corresponds to 30 hours of the student's work.

ECTS Users' Guide 2015: <https://op.europa.eu/en/publication-detail/-/publication/da7467e6-8450-11e5-b8b7-01aa75ed71a1>

Course Information sheets:

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

- *the person providing the subject (or partner organisation and person¹³), indicating the contact;*

Names of persons providing individual subjects and educational activities within the meaning of the IPO biology, which are indicated by the Course Information sheets of the subjects.

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RNDr. Daniela Grejtáková, PhD.; E-mail: daniela.grejtakova@unipo.sk; Telephone: (+ 421)0517570358

RNDr. Michaela Zíg, PhD.; E-mail: michaela.zigova@unipo.sk; Telephone: (+ 421)0517570358

Mgr. Mária Majherová, PhD.; E-mail: maria.majherova@unipo.sk; Telephone: (+ 421)0517570316

Ing., Mgr. Vladimír Pramuk, PhD., MPH; E-mail: hydro@geoslovakia.sk; Telephone: (+ 421)915948386

Course Information sheets:

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

- *subject teachers (or participating partner organisations and persons) (may also be mentioned in Course Information sheets);*

The names of teachers of individual subjects within the meaning of the IPO biology, which are indicated by the Course information sheets of the subjects.

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¹² We recommend reporting the burden related to both contact and non-contact teaching in accordance with ECTS Users' Guide 2015.

¹³ E.g. in the provision of professional experience or other educational activity carried out outside the university.

The curriculum of the curriculum description is used for processing Annex 2 of the application for accreditation of the study programme.

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Ing., Mgr. Vladimír Pramuk, PhD., MPH; E-mail: hydro@geoslovakia.sk; Telephone: (+ 421)915948386
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Course Information sheets:

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

Doctoral students are also involved in the pedagogical process, who in the course of their pedagogical activities conduct exercises and seminars of selected subjects during the academic year after approval by the sponsor of the study programme.

- *place of implementation of the course (if the study programme takes place in several places of work).*

All subjects and educational activities of the Department of Biology are realised in classrooms and laboratories of the Department of Biology and the Centre of Excellence of Animal and Human Ecology FHNS UP in Prešov.

- d) *The university shall indicate the number of credits the achievement of which is a condition for proper completion of the study and other conditions that the student must fulfil during the course of studying the study programme and for its proper completion, including the conditions of state examinations, rules for recurring studies and rules for extension, discontinuation of study.*

The organisation of all degrees and forms of university studies is based on the credit system of study. The student is obliged to obtain the necessary number of credits in the study program. The standard student burden for one academic year is expressed in the daily form of study by a minimum of 60 credits (30 credits per semester). The total number of credits required for a master's degree as a second-level study programme with a standard length of study is at least 120 credits. Study according to the study order may not exceed its standard length by more than two years.

The study of the study programme may be discontinued at the request of the student. The period of study discontinuation is not counted towards the standard study duration and is recorded in the MAIS.

The sponsor of the respective study programme is responsible for the content of the study programme. The study programme, including the content, is assessed by the Board for the Evaluation of Quality of Education at the FHNS of UP and the final version subsequently by the Scientific Board of the Faculty.

All the information required under point (d) refers to Articles 10 to 22 of the Study Rules of UP in 2018.

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

Rector's Directive 10/2021: https://www.unipo.sk/public/media/37750/OR_x-2021_zosuladovanie.pdf

- e) *(e) The University shall indicate for each study programme the requirements for the completion of each part of the study programme and the student's progress in the study programme in the structure:*
- *number of credits for **compulsory subjects** required for proper completion of studies/completion of part of study;*

The student is obliged to obtain in the study program the necessary number of credits, the distribution of which and the total number is determined by the accredited study programme. As a rule, students of UP register subjects in such a way that the composition of subjects in a given study programme consists of approximately 70 % for compulsory subjects, 25 % for optional subjects and for selected subjects up to 5 % of the credit subsidy.

According to the RSP Biology, the student will receive for **compulsory subjects**:

1 year of study: 41 credits

2nd year of study: 43 credits

Total number of credits earned for compulsory subjects: 84 credits

- *number of credits for **compulsory optional subjects** required for proper completion of studies/completion of part of study;*

According to the RSP Biology, the student can get for **compulsory optional subjects**:

1 year of study: 44 credits

2nd year of study: 18 credits

Total number of credits obtained for compulsory optional items: 62 credits

- *number of credits for the **optional subjects** required for the proper completion of studies/completion of part of the study;*

According to the RSP biology, a student can get **for optional subjects**:

1 year of study: 1 credit

The student registers the selection subjects so that the sum of their credit subsidy is a maximum of 5 % of the total number of credits. Selection subjects completed or recognised above 5 % are not included in the number of credits required for the proper completion of the study. If the student has reached a sufficient number of credits by completing compulsory and optional subjects, they do not need to enrol any selection subject. All subjects completed are listed in the Diploma Supplement.

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

Rector's Directive 10/2021: https://www.unipo.sk/public/media/37750/OR_x-2021_zosuladovanie.pdf

The curriculum of the curriculum description is used for processing Annex 2 of the application for accreditation of the study programme.

- *number of credits needed to complete/complete part of the study for the common basis and for the relevant aprobaton if it is a teacher's combination study programme or a translation combination study programme;*

Biology is not a teaching or translation combination study programme.

- *number of credits for the final thesis and defence of the final thesis necessary for the proper completion of the study;*

For the subject Defense of the diploma thesis, the student will receive 14 credits.

- *number of professional experience credits required for the proper completion of studies/termination of part of the study;*

For the course Professional experience, the student will receive 6 credits.

- *number of credits needed for proper completion of studies/completion of part of the study for project work, indicating the relevant subjects in engineering study programmes;*

Biology is not an engineering program.

- *number of credits needed for the proper completion of studies/termination of part of the study for artistic performances, excluding the final thesis in artistic study programmes.*

Biology is not an arts program.

f) The University will describe the rules for verifying educational outcomes and evaluating students and the possibility of corrective procedures against this assessment.

The rules for the verification of learning outcomes and the assessment of students and the possibility of corrective procedures to this assessment include:

- Art. 15 to 22 of the Study Rules of the UP in Prešov from 2018 -
<https://www.unipo.sk/public/media/0190/STUD%2024.9.18%20pdf.pdf>
- Disciplinary Regulations of the University of Prešov for Students -
https://www.unipo.sk/public/media/files/docs/u/svk/disciplinarny_poriadok_08.pdf

g) Conditions for the recognition of the study or part of the study.

The conditions under which the subjects of study or credits are recognised are stated in Article 20 of the Study Rules of the University of Prešov from 2018. The application for recognition of the subject and the award of credits for the subject is submitted by the student to the study department of the tribal faculty or university. Only a subject for which the minimum content of 60 % matches the subject of the current study programme may be accepted.

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

h) The university will indicate the topics of the final thesis of the study programme (or a link to the list).

The list of recommended topics of the final thesis is published annually by the individual departments of the faculty in accordance with the Study Rules of the UP in Prešov, no later than 30 November of the given academic year in MAIS. The topics of the final thesis are approved by the senior employee of the scientific and pedagogical workplace in agreement with the sponsor, so that the sum of the final thesis at the first and second level of study conducted by one employee does not exceed ten in one academic year. For the management of the final thesis, the condition is that the supervisor of the final thesis should have at least one higher university degree or qualification, such as the conducted final thesis (the only exception is practitioners), as well as that the written topic corresponds to the scientific-pedagogical profile of the supervisor.

Suggested topics for the final thesis:

Non-paternity in Roma communities of Slovakia
Comparison of densitometry outputs and impedance measurement of bone density
Prevalence of tooth decay in Roma and non-Roma school-age pupils
DNA Identification Analysis in Twins
Options for diagnosing COVID-19 using molecular-biological methods
Methods and Techniques in Gene Engineering
Rare diseases in Roma
Anthropometric characteristics of school-age children
Covid-19 disease in Slovakia
Correlation of lip prints (cheilioscopy) and blood groups in a selected group of individuals of the Prešov region
Effect of body composition on bone mass in postmenopausal women with osteoporosis
Analysis of plantograms – footprints through various plantographic methods
Analysis of archaic DNA in skeletal remains
Monitoring of blood pressure in individual trimesters of pregnancy in a selected group of women
Identification of persons based on the plantogram
Tymol as the main component of thyme essential oil in rabbit nutrition

The curriculum of the curriculum description is used for processing Annex 2 of the application for accreditation of the study programme.

Long-term application of thymol in the rabbit diet
Application of dermatoglyphic analysis in probands in a related relationship
COVID-19 vaccination in Slovakia
Assessment of the incidence of scoliosis in pupils
Specific mutations in Slovak Roma
Morphometric analysis of mammary bones of woodpecker birds from the Western Carpathians
Communities of daily butterflies (Lepidoptera, Papilionoidea) of the cultural landscape
Cataloguing and somatometric evaluation of the collections of the Šariš Museum in Bardejov
Oral care after treatment by prosthetic dentist
Search for suspected susceptibility genes to atrial fibrillation in the population of Eastern Slovakia
Modern Technologies in the Prevention of Cardiovascular Health
Anthropometric Characteristics of Newborns
Selected adult population head sizes
Selected head sizes of children of school age
Cytogenetic analysis of lymphocytes in coke occupants at risk of carcinogenicity, exposed PAHs
COVID-19 and complications
Cytogenetic analysis of lymphocytes in mining workers at risk of carcinogenicity, exposed to diesel emissions
Polymorphism Association rs12700667 with endometriosis
Anthropometry of the head and face of college students
Determination of bone age from X-rays of hands
Eating habits and analysis of the physical composition of students of the University of Prešov
University students' level of awareness of cervical cancer
Genetic Aspects of Non-Syndromic Hypodontics
COVID 19 in the Pediatrics Department
Iodine deficiency and its effects
Importance of intake of organic vitamins and chelated minerals

The topics of the final thesis are published in MAIS UP (<https://www.unipo.sk/cvtpu/hlavne-sekcie/MAIS/intro/>).

- i) *The university will describe or refer to:*
- *rules for entering, processing, opposing, defending and evaluating final thesis in the study programme,*

The University has developed a comprehensive system of processes ensuring the procedure for the preparation and organisation of final thesis in all stages of study. The basic document is the Directive on the particulars of the final thesis, their bibliographical registration, control of originality, preservation and making available, issued by the Rector of the UP in 2019. The Directive regulates a uniform procedure for the preparation, registration and preservation of final and qualification works carried out at the University of Prešov in Prešov. The Directive specifies the general provisions, basic concepts, characteristics and formalisation of final thesis, ethics and technique of citing and making bibliographic references, the structure of the work, the transmission of works, the control of originality and the making available of works. The Directive also provides information on the competence of the Ministry, the competence of the university, its components, the competence of the author of the final thesis, as well as information on the central register of final thesis. The specific procedures for defining the final thesis in the bachelor's level of study, their processing, defence and evaluation are set out in the Study Rules of the UP in Article 23.

Rector's Directive: <http://www.pulib.sk/web/data/pulib/subory/stranka/ezp-smernica2019.pdf>
Study Rules of the UP: <https://www.unipo.sk/public/media/0190/STUD%2024.9.18%20pdf.pdf>

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

The student has the right to complete part of his studies at another university in the Slovak Republic or abroad. The consent to study abroad and for its duration is granted by the dean/rector or vice-rector for external relations and marketing according to the type of mobility and is a matter of a tripartite agreement between the student, the sending faculty and the receiving faculty. Part of the study is recognised upon return to the student in accordance with a contract with the European Standard and the European Credit Transfer Scheme.

The Erasmus+ programme has been a key platform for the development of international cooperation at the University of Prešov for more than 20 years. The involvement of the UP in the Erasmus+ programme contributes to the strategic objective of developing the UP aimed at modernising and internationalising education in the context of building a common European Education Area (EHEA). Support for mobility directly contributes to the deepening of internationalisation, quality and relevance of education as an important prerequisite for personal development, adaptability and flexibility of UP students and employees in the labour market and their civic engagement. The Rector's Directive "Procedures for the implementation of outgoing student mobility within the Erasmus+ programme" are issued at the Prešov University in Prešov on the basis of the provision of Section 15(1)(a). 1) Act No 131/2002 Coll. on higher education institutions and amending certain acts, as amended. With this directive, the Rector's management of the UP determines the course of activities of individual actors related to the implementation of student mobility abroad within the framework of the Erasmus+ programme. The Rector's Directive responds to the main ideas of the Bologna Process, to create an internationally recognised European Common Higher Education Area based on commonly accepted and quality standards of education.

The guarantor of the study is the evaluated degree of conformity of the completed teaching abroad with the given study programme. Students are recognised credits earned under the Credit Transfer Agreement. Ungraduated teaching can be completed within the requirements of a given study programme.

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In order to ensure student mobility, the Rector/Dean appoints a coordinator, whose task is mainly to participate in the preparation and implementation of international cooperation programmes in the educational field, to solve tasks related to sending and receiving students, to provide counselling services to students on study opportunities at other universities in the Slovak Republic and abroad.

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

Page of UP: <https://www.unipo.sk/zahranicie/erasmus/>

Rector's Directive: [https://www.unipo.sk/public/media/34448/1_OR\(2014\)-08-Erasmus_procedure_mobility_students_procedure.pdf](https://www.unipo.sk/public/media/34448/1_OR(2014)-08-Erasmus_procedure_mobility_students_procedure.pdf)

- *rules on adherence to academic ethics and inferences;*

The Code of Ethics of the University of Prešov in Prešov provides the rules of adherence to academic ethics and conclusions: Scientific integrity and ethics, available at:

<https://www.unipo.sk/public/media/38250/Etick%C3%BD%20k%C3%B3dex%20Pre%C5%A1ovskej%20university%20v%20Pre%C5%A1ove.pdf>

- *procedures applicable to students with specific needs;*

In accordance with Section 100(11) of Act No 131/2002 on higher education institutions and amending certain acts, as amended, and Decree No 458/2012 on the minimum entitlements of a student with specific needs, the University of Prešov creates a generally accessible academic environment and corresponding study conditions for students with specific needs without lowering the requirements for their study performance. The diversity of the specific needs of applicants for study and acceptance of their scope is presented by the Methodological Guide for Students with Specific Needs, approved at the meeting of the AS of UP in 2017.

Methodological guide: https://www.unipo.sk/public/media/0190/METODIKA_%C5%A0%C5%A0P_april2017.pdf

- *procedures for submission of complaints and appeals by the student.*

When making complaints and appeals by students, procedures relating to:

- admissions to school
- tests
- accommodation
- criminal activities

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>)

Based on a justified case, the student has the opportunity to request that the results of the evaluation be corrected. In the academic year in which the subject is enrolled, the student has the right to two correction dates of the examination within the prescribed exam dates and the schedule of the academic year. At the student's request, the examiner will allow the correction exam even if the student has passed the due date of the exam successfully. The deadline for the examination shall be entered in the MAIS. If the student so requests, the vice-dean/pro-rector for education may, in justified cases, allow the examination to be carried out within an amending period before a commission appointed by the dean/rector. The commission examination can be applied to the study department of the faculty no later than five working days after the due date or the first corrective date of the examination.

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

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

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

5. Course Information sheets of the subjects of the study programme

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

The Course Information sheets of all subjects of the study programme Biology are available at:

<https://student.unipo.sk/maisportal/studijneProgramy.mais;jsessionid=2544DDA91EC54DFD28389F06353EE34>

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

The current academic year schedule is available at:

https://www.unipo.sk/public/media/2877/Harmonogram_AR_21_22-1.pdf

The current curriculum of the study programme Biology in 2021/2022 is available at:

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

7. Staff for the study programme Biology

- a) Person responsible for the implementation, development and quality of the study programme (indicating function and contact).

Major guarantor:

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Co-guarantees:

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- b) List of persons providing profile subjects of the study programme with assignment to the subject with a link to the central Register of Employees of Universities (REU), with contact (they can also be included in the study plan).

Person and contact details	Profile subjects	Link to REU
SP Biology		
Prof. RNDr. Jarmila Bernasovská, PhD., Email: jarmila.bernasovska@unipo.sk Telephone: (+ 421)0517570608 Address: Ul. 17 November 1 081 16 Prešov	Human Genetics Anthropology Anthropological practice Cultural and social anthropology Defence of the diploma thesis Biology	https://www.portalvs.sk/regzam/detail/6492
Prof. MVDr. Janka Poráčová, PhD., MBA Email: janka.poracova@unipo.sk Telephone: (+ 421)0517570309 Address: Ul. 17 November 1 081 16 Prešov	Ecophysiology	https://www.portalvs.sk/regzam/detail/6513
Assoc. Prof. RNDr. Iveta Boroňová, PhD. Email: iveta.boronoval@unipo.sk Telephone: (+ 421)0517570641 Address: Ul. 17 November 1 081 16 Prešov	Immunology Virology Cytogenetics Human cytogenetics Clinical Anthropology Molecular cytopathology	https://www.portalvs.sk/regzam/detail/6470
Assoc. Prof. RNDr. Dana Dojčáková, PhD. Email: dana.dojcakova@unipo.sk Telephone: (+ 421)0517570362 Address: Ul. 17 November 1 081 16 Prešov	Cytogenetics The Practice of Human Genetics	https://www.portalvs.sk/regzam/detail/6701
Assoc. Prof. RNDr. Marta Mydlárová Blaščáková, PhD. Email: marta.blascakova@unipo.sk Telephone: (+ 421)0517570398 Address: Ul. 17 November 1 081 16 Prešov	Human Ecology Biological rhythms of animals and humans Human Ethology	https://www.portalvs.sk/regzam/detail/19318
Assoc. Prof. RNDr. Eva Petrejčíková, PhD. Email: eva.petrejcikova@unipo.sk Telephone: (+ 421)0517570398 Address: Ul. 17 November 1 081 16 Prešov	Molecular Biology II. Exercises in Molecular Biology The Gene Manipulation I. The Gene Manipulation II.	https://www.portalvs.sk/regzam/detail/6301
MVDr. Soňa Mačková, PhD. Email: sona.macekova@unipo.sk Telephone: (+ 421)0517570362 Address: Ul. 17 November 1 081 16 Prešov	Seminar on Diploma Thesis Parasitology	https://www.portalvs.sk/regzam/detail/6834

- c) Reference to the scientific and pedagogical characteristics of the persons providing the profile subjects of the study programme.

Prof. RNDr. Jarmila Bernasovská, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Bernasovska/>

Prof. MVDr. Janka Poráčová, PhD., MBA - <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Poracova/>

Assoc. Prof. RNDr. Iveta Boroňová, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Boronova/>

Assoc. Prof. RNDr. Dana Dojčáková, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Dojcakova/>

Assoc. Prof. RNDr. Marta Mydlárová Blaščáková, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Mydlarovablascakova/>

The curriculum of the curriculum description is used for processing Annex 2 of the application for accreditation of the study programme.

Assoc. Prof. RNDr. Eva Petrejčíková, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Petrejckikova/>
 MVDr. Soňa Mačeková, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Macekova/>

- d) List of study programme teachers with assignment to the subject and link to the central register of university staff, indicating contacts (may be part of the curriculum).

Person and contact details	Subjects	Link to RFS
SP Biology		
Prof. RNDr. Jarmila Bernasovská, PhD., Email: jarmila.bernasovska@unipo.sk Telephone: (+ 421)0517570608 Address: Ul. 17 November 1 081 16 Prešov	Human Genetics Anthropology Anthropological practice Cultural and social anthropology Defence of the diploma thesis Biology	https://www.portalvs.sk/regzam/detail/6492
Prof. MVDr. Janka Poráčová, PhD., MBA Email: janka.poracova@unipo.sk Telephone: (+ 421)0517570309 Address: Ul. 17 November 1 081 16 Prešov	Ecophysiology	https://www.portalvs.sk/regzam/detail/6513
Assoc. Prof. RNDr. Iveta Boroňová, PhD. Email: iveta.boronoova@unipo.sk Telephone: (+ 421)0517570641 Address: Ul. 17 November 1 081 16 Prešov	Immunology Virology Cytogenetics Human cytogenetics Clinical Anthropology Molecular cytopathology	https://www.portalvs.sk/regzam/detail/6470
Assoc. Prof. RNDr. Dana Dojčáková, PhD. Email: dana.dojcakova@unipo.sk Telephone: (+ 421)0517570362 Address: Ul. 17 November 1 081 16 Prešov	Cytogenetics The Practice of Human Genetics	https://www.portalvs.sk/regzam/detail/6701
Assoc. Prof. RNDr. Marta Mydlárová Blaščáková, PhD. Email: marta.blascakova@unipo.sk Telephone: (+ 421)0517570398 Address: Ul. 17 November 1 081 16 Prešov	Human Ecology Biometrics Biological rhythms of animals and humans Selected chapters from biomonitoring and biomarkers Human Ethology	https://www.portalvs.sk/regzam/detail/19318
Assoc. Prof. RNDr. Eva Petrejčíková, PhD. Email: eva.petrejckikova@unipo.sk Telephone: (+ 421)0517570398 Address: Ul. 17 November 1 081 16 Prešov	Molecular Biology II. Exercises in Molecular Biology The Gene Manipulation I. The Gene Manipulation II. Forensic identification of persons	https://www.portalvs.sk/regzam/detail/6301
Assoc. Prof. RNDr. Vincent Sedlák, PhD. Email: vincent.sedlak@unipo.sk Telephone: (+ 421)0517570358 Address: Ul. 17 November 1 081 16 Prešov	Biometrics Ecotoxicology	https://www.portalvs.sk/regzam/detail/21628
MVDr. Soňa Mačeková, PhD. Email: sona.macekova@unipo.sk Telephone: (+ 421)0517570362 Address: Ul. 17 November 1 081 16 Prešov	Professional experience Seminar on Diploma Thesis Parasitology Basics of Biological Research and Bioethics 2	https://www.portalvs.sk/regzam/detail/6834
RNDr. Daniela Grejtáková, PhD. Email: daniela.grejtakova@unipo.sk Telephone: (+ 421)0517570358 Address: Ul. 17 November 1 081 16 Prešov	Forensic Genetics Exercises in Molecular Biology Biopharmaceuticals	https://www.portalvs.sk/regzam/detail/23239
RNDr. Alexander Csanady, PhD. Email: alexander.csanady@unipo.sk Telephone: (+ 421)0517570358 Address: Ul. 17 November 1 081 16 Prešov	Forensic Ethology	https://www.portalvs.sk/regzam/detail/14690

The curriculum of the curriculum description is used for processing Annex 2 of the application for accreditation of the study programme.

PaedDr. Silvia Durank, PhD. Email: silvia.durankova@unipo.sk Telephone: (+ 421)0517570358 Address: Ul. 17 November 1 081 16 Prešov	Forensic Ecology Ecological biophysics	https://www.portalvs.sk/regzam/detail/24500
RNDr. Mary Final, PhD. Email: maria.konecna@unipo.sk Telephone: (+ 421)0517570358 Address: Ul. 17 November 1 081 16 Prešov	Ecophysiology Biological rhythms of animals and humans	https://www.portalvs.sk/regzam/detail/29466
Mgr. Andrea Babejová, PhD. Email: andrea.babejova@unipo.sk Telephone: (+ 421)0517570358 Address: Ul. 17 November 1 081 16 Prešov	Exercises in Molecular Biology Parasitology	https://www.portalvs.sk/regzam/detail/36608
RNDr. Jana Gaľová, PhD. Email: jana.galova@unipo.sk Telephone: (+ 421)0517570358 Address: Ul. 17 November 1 081 16 Prešov	Anthropology Clinical Anthropology Forensic identification of persons	https://www.portalvs.sk/regzam/detail/25774
RNDr. Michaela Zig, PhD. Email: michaela.zigova@unipo.sk Telephone: (+ 421)0517570358 Address: Ul. 17 November 1 081 16 Prešov	Basics of Biological Research and Bioethics 2	https://www.portalvs.sk/regzam/detail/27052
Mgr. Mária Majherová, PhD. E-mail: maria.majherova@unipo.sk Telephone: (+ 421)0517570316 Address: Ul. 17 November 1 081 16 Prešov	Bioinformatics	https://www.portalvs.sk/regzam/detail/6523
Mgr. Alexander Mušíňka, PhD. E-mail: alexander.musinka@unipo.sk Telephone: (+ 421)0517570253 Address: Ul. 17 November 1 081 16 Prešov	Cultural and social anthropology	https://www.portalvs.sk/regzam/detail/6694
Ing., Mgr. Vladimír Pramuk, PhD., MPH E-mail: hydro@geoslovakia.sk Telephone: (+ 421)915948386 Address: Ul. 17 November 1 081 16 Prešov	Mineralogy, petrography and geology	https://www.portalvs.sk/regzam/detail/14572

e) List of supervisors of final thesis with assignment to topics (indicating contacts).

Prof. RNDr. Jarmila Bernasovská, PhD.; Email: jarmila.bernasovska@unipo.sk; Telephone: (+ 421)0517570608; Address: Ul. 17 November 1, 081 16 Prešov

Defended final diploma thesis from the academic year 2015/2016:

Genetics of coronary artery disease with a focus on the ApoE gene (Lucia Zaearová)
Prevalence of obesity in relation to cardiovascular diseases (Daniela Horňáková)

Planned themes of the final thesis:

Non-paternity in Roma communities of Slovakia
Comparison of densitometry outputs and impedance measurement of bone density
Prevalence of tooth decay in Roma and non-Roma school-age pupils

Prof. MVDr. Janka Poráčová, PhD., MBA; Email: janka.poracova@unipo.sk; Telephone: (+ 421)0517570309; Address: Ul. 17 November 1, 081 16 Prešov

Defended final diploma thesis from the academic year 2015/2016:

The curriculum of the curriculum description is used for processing Annex 2 of the application for accreditation of the study programme.

Biochemical and haematological aspects of cardiological diseases (Juliana Baranová)
Environmental and health risk of selected stress area (Miroslava Chovanová)
Diabetes mellitus and its effect on visual vitality (Dominika Veselinyová)
Arterial hypertension in the population of men and women in the region of Eastern Slovakia (Mariana Hrabčáková)
Identification and differentiation of common wheat dihaploid lines at the level of stock protein polymorphism (Zuzana Greg)
Analysis of biochemical parameters of adult patients with hypertension in Hanušovce nad Topľou (Jana Jakubčová)
Impact of smoking on lung parameters in university students (Katarína Jurenková)
Oncomarkers and histological diagnosis of diseases caused by papillomavirus (Ivan Pačuta)

Planned themes of the final thesis:

DNA identification analysis in twins
Options for diagnosing COVID-19 using molecular-biological methods
Methods and Techniques in Gene Engineering

Assoc. Prof. RNDr. Iveta Boroňová, PhD.; Email: iveta.borňová@unipo.sk; Telephone: (+ 421)0517570641; Address: Ul. 17 November 1, 081 16 Prešov

Defended final diploma thesis from the academic year 2015/2016:

Cardiomyopathy – analyses of phenotypic genotypic correlations (Monika Kokošková)
Anthropometric parameters of Roma children (Rebeka Lakyová)
ZBTB17 gene molecular analyses in relation to dilating cardiomyopathy (Veronika Gracová)
Determination of genotypic and allele frequencies of ZBTB17 gene polymorphism in relation to dilating cardiomyopathy (Andrea Greisiger)
Association analyses of T245G polymorphism TNFRSF11B gene in relation to fracture risk (Lea Kováčová)
Use of Real-Time PCR analysis to clarify etiopathogenesis of cardiomyopathy (Lucia Rebejová)
Determination of genotypic and allele frequencies of A163G polymorphism TNFRSF11B gene in postmenopausal women (Michaela Koritková)
Real-time PCR analysis of T245G polymorphism TNFRSF11B gene in relation to osteoporosis (Igor Palčo)
Molecular analyses rs9340799 of ESR1 gene polymorphism in a set of postmenopausal women (Dávid Mertinko)
Determination of genotypic and allele frequencies of polymorphism rs1544410 VDR gene in a set of postmenopausal women (Victoria Teslykova)

Planned themes of the final thesis:

Comparison of sensitivity and specificity of laboratory tests for COVID-19 detection
Molecular analyses of predictive genetic polymorphisms of osteoporosis in a set of Slovak postmenopausal women
Correlation of bone mineral density with risk of osteoporotic fractures in Slovak postmenopausal women

Assoc. Prof. RNDr. Dana Dojčáková, PhD.; Email: sona.macekova@unipo.sk; Telephone: (+ 421)0517570362; Address: Ul. 17 November 1, 081 16 Prešov

Planned themes of the final thesis:

Rare diseases in Roma
Anthropometric characteristics of school-age children
Covid-19 disease in Slovakia

Assoc. Prof. RNDr. Marta Mydlárová Blaščáková, PhD.; Email: marta.blascakova@unipo.sk; Telephone: (+ 421)0517570398; Address: Ul. 17 November 1, 081 16 Prešov

Defended final master's thesis from the academic year 2015/2016:

Polymorphism Association rs2910829 PDE4D gene with lipid profile in women with sudden stroke (Zuzana Malinová)
Selected biochemical and genetic aspects of hypothyroidism (Magdalene Gogoľová)
Polymorphism Association rs74434454 CER1 gene with biochemical markers in postmenopausal women with osteoporosis (Veronika Martonová)
Polymorphism Association rs2910829 PDE4D gene with biochemical markers in patients with coronary heart disease (Catarine Partil)
Polymorphism Association rs74434454 CER1 gene with biochemical markers in the majority and minority population of women (Viktória Sjänská)
Polymorphism Association rs634008 LRP5 gene with biochemical markers in postmenopausal women with osteoporosis (Veronika Hanasová)
Selected biochemical and molecular-genetic aspects of hypothyroidism (Barbora Kilarová)
Polymorphism Association rs599083 LRP5 gene with anthropometric and densitometric parameters in postmenopausal women with reduced bone density (Miroslava Čipkalová)
Polymorphism Association rs12409277 PRDM16 gene with anthropometric and densitometric parameters in postmenopausal women of Eastern Slovakia (Lenka Mitrová)

The curriculum of the curriculum description is used for processing Annex 2 of the application for accreditation of the study programme.

Physiological and biochemical status of hunting game (Gabriela Ničová)

Planned themes of the final thesis:

Correlation of lip prints (cheilioscopy) and blood groups in a selected group of individuals of the Prešov region
Effect of body composition on bone mass in postmenopausal women with osteoporosis
Analysis of plantograms – footprints through various plantographic methods

Assoc. Prof. RNDr. Eva Petrejčíková, PhD.; Email: eva.petrejcikova@unipo.sk; Telephone: (+ 421)0517570398; Address: Ul. 17 November 1, 081 16 Prešov

Defended final master's thesis from the academic year 2015/2016:

Monitoring of polymorphism G20210A (rs1799963) for prothrombin in patients with atrial fibrillation and ischaemic heart disease (Eva Saxova)
Monitoring blood glucose and pH levels in urine after short-term starvation (Lucia Šebaljšová)
Prediction of 10-year risk of cardiovascular disease in men of Eastern Slovakia (Maria Miturová)
Polymorphisms of the APOE gene in association with ischemic heart disease (Martina Sinčáková)
Polymorphism Association rs519129 SLC25A24 gene with osteoporosis in postmenopausal women (Christína Krajňáková)
Changes in the pH of the oral cavity in relation to the risk of tooth decay (Andrea Avuk)
Paternal line I in association with ischemic heart disease (Mária Šimočková)

Planned themes of the final thesis:

Analysis of archaic DNA in skeletal remains
Monitoring of blood pressure in individual trimesters of pregnancy in a selected group of women
Identification of persons based on the plantogram

Assoc. Prof. RNDr. Vincent Sedlák, Ph.D.; Email: vincent.sedlak@unipo.sk; Telephone: (+ 421)0517570358; Address: Ul. 17 November 1, 081 16 Prešov

Defended final diploma thesis from the academic year 2015/2016:

Biological application of spirometry in groups of aerobic and anaerobic athletes (Christian home)
Analysis of selected biochemical and anthropometric parameters in the group of probands in the district of Svidník (Viktória Kurucová)
Natural deworming agents in Anglonubian goat farming (Cecilia Mihalá)
Biology and food specialisation of ear mice (Asio otus) (Zuzana Dzurjašková)
Antimicrobial and antioxidant effects of fruit extracts of Vitis vinifera L., Vaccinium vitis-idaea L. and Rosa canina L. (Natalia Chovancová)
Analysis of dermatoglyphic patterns in relation to type II diabetes (Zuzana Pavelová)

Planned themes of the final thesis:

Tymol as the main component of thyme essential oil in rabbit nutrition
Long-term application of thymol in the rabbit diet
Application of dermatoglyphic analysis in probands in a related relationship

MVDr. Soňa Mačková, PhD.; Email: sona.mackova@unipo.sk; Telephone: (+ 421)0517570362; Address: Ul. 17 November 1, 081 16 Prešov

Defended final diploma thesis from the academic year 2015/2016:

Genetic Determination of Dilationary Cardiomyopathy (Petra Lamance)
Molecular-genetic analysis of hypertrophic cardiomyopathy (Lucia Gajdošová)
Analysis of the BDNF gene and its polymorphism in relation to obesity in the Roma population (Stanislava Tkáčová)
Public attitude towards compulsory vaccination and analysis of vaccination in the last 5 years in Slovakia (Miriama Šlebodová)
Analysis of NEGR1 gene polymorphism in relation to obesity in Roma population (Dorota Ondrušková)
Polymorphism rs12970134 of the MC4R gene as a possible genetic factor for the development of obesity (Ljubomir Jurčišinová)

Planned themes of the final thesis:

COVID-19 vaccination in Slovakia
Assessment of the incidence of scoliosis in pupils
Specific mutations in Slovak Roma

The curriculum of the curriculum description is used for processing Annex 2 of the application for accreditation of the study programme.

RNDr. Alexander Csanady, Ph.D.; Email: alexander.csanady@unipo.sk; Telephone: (+ 421)0517570358; Address: Ul. 17 November 1, 081 16 Prešov

Planned themes of the final thesis:

Morphometric analysis of mammary bones of woodpecker birds from the Western Carpathians
Communities of daily butterflies (Lepidoptera, Papilionoidea) of the cultural landscape
Cataloguing and somatometric evaluation of the collections of the Šariš Museum in Bardejov

RNDr. Michaela Zig, PhD. Email: michaela.zigova@unipo.sk; Telephone: (+ 421)0517570358; Address: Ul. 17 November 1, 081 16 Prešov

Defended final diploma thesis from the academic year 2015/2016:

Assessment of Atherogeneic Potential (Nikola Sochová)
Anthropological measurements and indices in the prevention of cardiovascular disease (Ljuboš Cancir)
Pathogenesis of atrial fibrillation in a genetic context (Theresis Haňová)

Planned themes of the final thesis:

Oral care after treatment by prosthetic dentist
Search for suspected susceptibility genes to atrial fibrillation in the population of Eastern Slovakia
Modern Technologies in the Prevention of Cardiovascular Health

PaedDr. Silvia Duranková, PhD.; Email: silvia.durankova@unipo.sk; Telephone: (+ 421)0517570358; Address: Ul. 17 November 1, 081 16 Prešov

Defended final diploma thesis from the academic year 2015/2016:

Anthropometric characteristics of children of younger school age of East-Slovak region (Ľuboš Leško)
Anthropometric characteristics of children of younger school age from the district of Trebišov and Michalovce (Jana Kasardová)
Anthropometric characteristics of children of younger school age (Zuzana Jalčová)
Evaluation of selected anthropometric parameters of the adult population in Slovakia (Anna Ždiľová)
Somatic development of Roma and non-Roma children of younger school age from Stropkov district (Jana Gonosová)
Somatic development of Roma and non-Roma preschool children from Stropkov and Svidník district (Sabína Andrejková)

Planned themes of the final thesis:

Anthropometric Characteristics of Newborns
Selected adult population head sizes
Selected head sizes of children of school age

RNDr. Maria Finečná, PhD.; Email: maria.konecna@unipo.sk; Telephone: (+ 421)0517570358; Address: Ul. 17 November 1, 081 16 Prešov

Defended final diploma thesis from the academic year 2015/2016:

Occurrence of sideropenic anemia in Trebišov district (Livia Šamková)
Genetic and hormonal profile in patients diagnosed with astenoteratozoospermia (Balogov Low)
Comparison of hormonal profile between fertile and infertile men (Samuel Vavrek)
Determination of basic parameters using bioimpedance analysis in probands with metabolic syndrome (Alena Jenčová)
Polymorphism of the APOA5 gene in association with cardiovascular disease (Petra Sabová)
Comparison of the biochemical parameters of the disease Diabetes mellitus type 2 in a set of diabetic and healthy individuals and their association with the APOA5 gene (Ivana Ištaková)
Polymorphism of the SPATA16 gene in association with male infertility (Anton Bujňák)
MTHFR gene and male infertility association (Slavomír Dvorčák)
Impact of SNP in the VDR gene on biochemical parameters in probands with Diabetes mellitus (Annamária Miklošová)
Polymorphism Association rs2228570 with obesity and osteoporosis (Soňa Palková)

Planned themes of the final thesis:

Cytogenetic analysis of lymphocytes in coke occupants at risk of carcinogenicity, exposed PAHs
COVID-19 and complications
Cytogenetic analysis of lymphocytes in mining workers at risk of carcinogenicity, exposed to diesel emissions

Mgr. Andrea Babejová, PhD.; Email: andrea.babejova@unipo.sk; Telephone: (+ 421)0517570358; Address: Ul. 17 November 1, 081 16 Prešov

The curriculum of the curriculum description is used for processing Annex 2 of the application for accreditation of the study programme.

Planned themes of the final thesis:

COVID 19 in the Pediatrics Department
Iodine deficiency and its effects
Importance of intake of organic vitamins and chelated minerals

RNDr. Jana Gaľová, PhD.; Email: jana.galova@unipo.sk; Telephone: (+ 421)0517570358; Address: Ul. 17 November 1, 081 16 Prešov

Defended final diploma thesis from the academic year 2015/2016:

Intersex differences in lip prints and their use in criminal identification (Petra Bachur)
Acute lymphoblastic leukaemia and the effect of chemotherapy (Zuzana Vavreková)
Evaluation of foot condition in the majority population in Slovakia (Michaela Rychvalská Lešková)

Planned themes of the final thesis:

Polymorphism Association rs12700667 with endometriosis
Anthropometry of the head and face of college students
Determination of bone age from X-rays of hands

RNDr. Daniela Grejtáková, PhD.; Email: daniela.grejtakova@unipo.sk, Tel.: (+ 421) 0517570358, Address: Ul. 17 November 1, 081 16 Prešov

Planned themes of the final thesis:

Eating habits and analysis of the physical composition of students of the University of Prešov
University students' level of awareness of cervical cancer
Genetic Aspects of Non-Syndromic Hypodontics

f) Reference to the scientific and pedagogical characteristics of the supervisors of the final thesis.

Prof. MVDr. Janka Poráčková, PhD., MBA - <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Poracova/>
Prof. RNDr. Jarmila Bernasovská, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Bernasovska/>
Assoc. Prof. RNDr. Iveta Boroňová, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Boronova/>
Assoc. Prof. RNDr. Marta Mydlárová Blaščáková, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Mydlarovablasckova/>
Assoc. Prof. RNDr. Eva Petrejčíková, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Petrejcikova/>
Assoc. Prof. RNDr. Vincent Sedlák, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/sedlakvincent/>
MVDr. Soňa Mačeková, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Macekova/>
RNDr. Alexander Csanady, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Csanady/>
RNDr. Michaela Zig, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Zigova/>
PaedDr. Silvia Durank, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Durankova/>
RNDr. Mary Final, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/Konecna/>
Mgr. Andrea Babejová, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Babejova/>
RNDr. Jana Gaľová, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Galova/>
RNDr. Daniela Grejtáková, PhD. — <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia-NEW/clenoviakatedry/Grejtakova/>

g) Representatives of students representing the interests of students of the study programme (name and contact).

Members of the AS of FHNS for the student part:

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. Julius Varga - julius.varga@smail.unipo.sk

The curriculum of the curriculum description is used for processing Annex 2 of the application for accreditation of the study programme.

Members of AS of UP for FHNS(student section):

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

Members of the Academic Senate represent the interests of students, regardless of their affiliation to the study programme.

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

MVDr. Soňa Mačeková, PhD.; Email: sona.macekova@unipo.sk, Phone: (+ 421)0517570362, Address: Ul. 17 November 1, 081 16 Prešov
List of study advisors at FHNS of UP: <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/vzdelavanie/informacie/poradcovia/>

- i) Other study programme support staff – assigned study officer, career adviser, administration, accommodation report, etc. (with contacts).

RNDr. Štefan Koco, PhD., Vice Dean for Education, Email: stefan.koco@unipo.sk, Phone: (+ 421)0517570603

Ing. Jana Kleščová, Head of Study Department, Email: jana.klescova@unipo.sk, Phone: (+ 421)0517570620

Mgr. Anna Boldižárová, study officer, Email: anna.boldizarova@unipo.sk, Phone: (+ 421)0517570621

Assoc. Prof. RNDr. Marta Mydlárová Blaščáková, PhD., scheduler ŠP, Email: marta.blascakova@unipo.sk, Phone: (+ 421)0517570395

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

Drahomíra Tomčáková, administrative worker, Email: drahomira.tomcakova@unipo.sk, Phone: (+ 421)0517570358

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

Mgr. František Martinka, Director of the Student's Hall of Residence and Canteen of UP, Email: frantisek.martinka@unipo.sk, Phone: (+ 421)0517725958

Maria Husárová, accommodation officer, Email: maria.husarova@unipo.sk, Phone: (+ 421)0517722851 (101)

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

- a) List and characteristics of the curriculum of the study programme and their technical equipment with assignment to the outputs of the education and subject (laboratories, design and art studies, studios, workshops, interpreting booths, clinics, priestly seminars, scientific and technological parks, technological incubators, school enterprises, practice centres, training schools, teaching and training facilities, sports halls, swimming pools, sports fields).

Spatial equipment of the study programme

Faculty of Humanities and Natural Sciences is located in the University campus on Ul.17. November 1, Prešov. The building was built in the 1980s of the min. century, but the premises are continuously repaired and reconstructed for the needs of individual fields of study and faculties. The whole complex of buildings consists of five interconnected parts, in which the lecture halls, listening and professional workplaces are situated. The facility also houses laboratories and centres of excellence for science and research. The object provides all the activities necessary to ensure high-quality teaching of SP biology.

Well-equipped classrooms and laboratories are designed for students' study and professional activities. There is not only theoretical and practical teaching of individual subjects, but students have the opportunity to carry out their final thesis and acquire the necessary experience and skills necessary for their further application in professional life. All workplaces and all classrooms are connected to the university network, special software is available (statistical software, e-learning systems, internet media, means allow disabled people to participate in the proper teaching process).

Material and technical provision of the study programme

Since 2008, there has been extensive modernisation of classrooms at the University of Prešov. New equipment was installed in a total of 165 seminar, lecture and professional classrooms. These included 136 computers for lecture and seminar rooms, another 406 computers for computer and professional classrooms, 132 projectors and electric canvases, 17 interactive boards and other small equipment. Since 2008, as part of structured funds projects, modern metallic and optical computer distributions have been built and expanded in 14 university buildings, including initial divorces in the rooms of accommodated students in the Student Halls of Residence and Canteen. A total of 1,694 computer outlets were installed. In all objects there are high-speed networks that typically operate at 1 Gbit/s, but are also ready to deploy a speed of 10 Gbit/s in the future. Between 2017 and 2020, the University underwent a complete replacement and reconstruction of the centrally managed WiFi network worth EUR 154000, a total of 298 new access points were installed in all buildings. In 2020, the 25 largest classrooms at the university were further modernised, ICT equipment and video-presentation technology were innovated.

The scientific-pedagogical workplace of the Department of Biology, as well as the Centre of Excellence of Animal and Human Ecology, has extensive technical security, which in the field of biology serves primarily for the teaching and scientific research activities of students and employees. Several specialised facilities are used in educational activities. Above-standard instrumentation provides conditions for high-quality preparation of students in a one-disciplinary master's degree program biology.

The Department of Biology has the following background:

- Laboratory of Molecular Ecology of Human I (r. 216) and Laboratory of Molecular Ecology of Human II (M. 217)
- Laboratory of Molecular Genetics I (r. 218) and Molecular Genetics Laboratory II (r. 219A)
- Laboratory of Animal and Human Physiology (r. 219B)
- Laboratory of cytogenetics (r. 212)
- Laboratory of animal and plant ecophysiology (r. 224)
- Laboratory of Sequential Analysis II (r. 516/1, 516/2)
- Laboratory of Environmental Biotechnologies I (m. 516/6) and Laboratory of Environmental Biotechnology II (r. 516/7)
- Laboratory of Animal Biodiversity (r. 516/8)
- Laboratory of eco-chemical disciplines (r. 229)
- Lecture and seminar rooms (r. 219B, 226, 227A)

- Lecture and seminar rooms Faculty of Humanities and Natural Sciences of UP (97, 100, 238, 239)

Laboratories and premises of the Department of Biology have internet connection and have the following instrumentation:

1. Lecture and seminar room (r. no. 226) – teaching of lectures and seminars of compulsory and optional subjects of the study programme. The room has computer ICT technology (11 PC kits for teachers and students), instrument microscopic technique (7 microscopes for practical teaching), various learning aids and three-dimensional models, interactive whiteboard, data projector and projection screen, which are used in the educational process of subjects: Anthropology, Clinical anthropology, Virology, Immunology, Human Ecology, Biometry (with a capacity of 25 students). From a software point of view, the classroom meets the requirements for teaching, on the PC is installed a network operating system Windows XP managed by a server, computers are connected to the Internet.
2. Seminar room (r. no. 219B) – teaching of seminars and exercises of compulsory and optional subjects of the study programme. The room has ICT computing technology, instrument microscopic technique (8 microscopes for practical teaching), data projector and projection screen, which are used in the educational process Subjects: Microbiology, Plant Physiology (with a capacity of 10 students). From a software point of view, the classroom meets the requirements for teaching, on the PC is installed a network operating system Windows XP managed by a server, computers are connected to the Internet.
3. Lecture and seminar room (r. no. 227A) – teaching of lectures and seminars of compulsory and optional subjects of the study programme. The room is equipped with computer technology (PC assembly, data projector). From a software point of view, the classroom meets the requirements for teaching, on the PC is installed a network operating system Windows XP managed by a server, computers are connected to the Internet. The room is used in the educational process in the teaching of subjects Cultural and SocialAnthropology, Biopharmacology, Ecophysiology.
4. Lecture and seminar rooms of the Faculty of Humanities and Natural Sciences of UP (97, 100, 238, 239) – teaching of lectures and seminars of compulsory and optional subjects of the study programme. Rooms (with a capacity of 50 or 100 students) have computer ICT technology, data projector, which are used in the educational process of subjects, where the capacity of students exceeds the possibilities of the rooms of the Department of Biology. From a software point of view, the classroom meets the requirements for teaching, on the PC is installed a network operating system Windows XP managed by a server, computers are connected to the Internet.
5. Laboratory of Human Molecular Ecology I (r. no. 216) – Instrumental Equipment: Real Time PCR – Roche Light Cycler 480 (Roche), Open array Real Time (Applied Biosystems); RealTimePCR – Rotor Gene 6000 Corbett, with HRM, Vertical Laminar Box Airstream II AC2, Flow UV Decontaminator UVR-M. Laboratory instruments are hardware and software equipped including PC. The room is used in the educational process in the research activities of students within the final diploma thesis.
6. Laboratory of Human Molecular Ecology II (r. 217) – Instrumental Equipment: Filter equipment for water treatment Direct-Q Millipore; 7500 Fast Real-Time PCR System (Applied Biosystems); Thermocycler Bioterna T personal, Thermocycler Biometra T personal combi, Thermocycler Biometra T personal Basic Gradient, Biometra ABI 2720, Centrifuga Thermo B4i multifunction, flow UV decontaminator UVR-M. From the software point of view the classroom meets the requirements for teaching, Windows XP network operating system managed by the server is installed on PC, computers are connected to the Internet. The room is used in the educational process for teaching subjects Molecular Biology II, Exercises from Molecular Biology and in the research activities of students in the final diploma thesis (with a capacity of 16 students).
7. Laboratory of Molecular Genetics I (r. no 218) – Instrumental Equipment: Genetic Analyser MegaBace 1000 (Amersham); Automatic pipetting device epMotion (Eppendorf), Centrifuga Universal 320 Hettich. Laboratory devices are hardware and software equipped, including PCs. Laboratory devices are hardware and software equipped, including PCs. The room is used in the educational process in the research activities of students within the final diploma thesis.
8. Laboratory of Molecular Genetics II (r. 219A) – Instrumental Equipment: Nanodrop 2000 spectrophotometric analyser; Analytical balance SCALTEC SBC 33 (0.01 g – 65 g); Horizontal electrophoresis Owl DE-O2, Autoclave 2540EL, Vertical electrophoresis – Owl Separation Systems, Model No V20 – CDC, UV transilluminator, Centrifuga MIKRO 200R, Flow UV decontaminator. Laboratory devices are hardware and software equipped, including PCs.
9. Laboratory of Sequencing Analysis II (r. 516/1, 516/2) – Solid 5500xl DNA Sequencing System (Applied Biosystems), Genetic Analyser ABI PRISM 3500xL, Step One Real-Time PCR System (Applied Biosystems). Rooms are equipped with computer technology (PC assembly, data projector), instrumentation for microscopy (10 microscopes for practical teaching). The room is used in the educational process for teaching subjects Parasitology, Biological rhythms of animals and humans, human Ethology and in the research activities of students within the final diploma thesis (with a capacity of 16 students).
10. Laboratory of Animal and Plant Ecophysiology (m. 224) – L Instrumental equipment: C/MS-modular system – liquid chromatograph with detection system; Ms, PDA, fluorescent detector; GC/MS-modular system-combination of GC gas chromatograph with quadrupol mass detector with EI; a comprehensive photosynthesis measurement system, an automatic micromanipulator for the separation of animal and human cells; distillation and extraction apparatus for the preparation of plant essential oils and extracts; rotary vacuum evaporator; oven of laboratory glass and vegetable materials; hood for working with volatile material; water bath to maintain a stable temperature of reactions. The room is used in the educational process in the research activities of students within the final diploma thesis.
11. Laboratory of Environmental Biotechnology I (r. No 516/6) – Instrumental Equipment: Atomic absorption spectrometer AA-7000 (Shimadzu). The room is used in the educational process in the research activities of students within the final diploma thesis.
12. Laboratory of Environmental Biotechnology II (r. No 516/7) – Instrumental equipment: Fully automatic immunochemical analyser COBAS e 411 (ROCHE); Combined analyser for clinical biochemistry COBAS INTEGRA 400 plus system (ROCHE); Vertical Laminar Box Airstream Esco Class II, Water Bath BWT-U; Elisa reader-Ledetec 96 Microplate; Spectrophotometer VWR-UV 1600PC, Osmotic filtration device, Cooled centrifuge Centurion K2R, Centrifuga Vortex Multispin, flow UV decontaminator. The room is used in the educational process in the research activities of students within the final diploma thesis.
13. Anthropological laboratory (r. 516/3) – Instrumental equipment: Laminar box Thermo-Scientific MSC-Advantage. The room is used in the educational process in the research activities of students within the final diploma thesis.
14. Laboratory of cytogenetics (r. 212) – Instrumental equipment: Navios flowmeter (Beckman Coulter), Dimension Xpand Plus Biochemical Analyser (Siemens); Hematology analyser (Beckman Coulter); Fluorescent microscope DM4000 (Leica Microsystems); Fluorescent Microscope Olympus IX71, Biological Microscope Olympus BX53, Thermostat Gemmy IN-010-16 Lab Incubator. Laboratory devices are hardware and software equipped, including PCs. The room is used in the educational process in teaching subjects Cytogenetics, Human Cytogenetics, Molecular cytopathology and in the research activities of students within the final diploma thesis.

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15. Animal Biodiversity Laboratory (r. 516/8) – Equipment: fully automated stereo microscope, microscope with accessories DM4000B TL, Turbidimeter, Analyser – UV-VIS spectrophotometer, Oximeter, pHmeter microprocessor, hydrometric wing FP101, water analyser. The room is used in the educational process in the research activities of students within the final diploma thesis.
16. Laboratory of eco-chemical discipline (r. 229) – instrumentation and material equipment: laboratory glass, laboratory aids for chemical and bio-chemical experiments, distillation apparatus, thermostat, spectrophotometer, analytical weights, hood, incubator, water bath, pH-meter.

Material, spatial and information security belonging to the scientific and pedagogical workplace – Department of Biology FHNS of UP in Prešov, has been built for a long time and purposefully and currently serves for teaching and scientific research activities within the field of biology.

Information on MTZ Departments of Biology and Centre of Excellence of Animal and Human Ecology FHNS of UP is available at:
<https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/katedry/biologia/>
<https://www.unipo.sk/ceezc/>

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

All students have the opportunity to use access to study literature available within the University Library of the UP. The University Library is a scientific and informational, bibliographical, coordinating and consulting centre of the university, which provides comprehensive library and information services primarily to students and staff of the university and, within its possibilities, to other professional public. The University Library has three main offices. For students of FHNS is intended mainly the Central Library (UK1), which is located directly in the main building of the University of Ul. 17 November 1. The workplace provides the following basic and special library and information services: lending services, bibliographic and information services, consulting services, reprographic services and other services (processing of records of publication activities of university staff; bibliographic registration of final and qualifying works; operation of the UK UP Digital Library; organisation of scientific literature exhibitions, exhibitions of works of art, concerts, presentations, professional librarian events, etc.). The library fund contains more than 300000 library units. Since 1997, the UK UP has been building a database of publishing activities of the UP, in which it registers more than 67000 documents. Since 2004, the library has been building a Digital Library – a database of electronic full text documents created by university staff, which contains 916 publications. The library provides access to paid full-text database centers such as EBSCO, Wiley, Knovel, ProQuest, Science Direct, Scopus, Springer, Taylor and Francis, Web of Science, and others. There are 303 study places available in 6 study rooms (of which 2 are database). More than 70000 readers visit the library every year and the library's website is visited by over 500000 readers. The library has its own computer network (PULIBnet) with 4 servers, 84 computers, of which 45 are reserved for users. Each year he publishes a bibliography of the UP's publishing activity. The total area of the library is 2 643 m², of which for users 1 136 m².

All workplaces and all FHNS classrooms are connected to the university network. The faculty has a solution to the ICT project with a newly built computer network based on manageable 1Gbit/s switches, the new structured UTP cabling allows the transition to speeds of up to 10 Gbit/s. All classrooms are equipped with a data projector, electric screen and computer connected to the computer network, computers in the classrooms are centrally managed, the computing center is equipped with new powerful servers. The technical conditions created allow the use of modern information technologies by FHNS staff and students. Students must log in to the faculty network, each student has their own password and their own access rights. FHNS has 4 faculty computer classrooms, one of which is used for free access by students and 6 departmental classrooms and laboratories equipped with computer technology.

One of the university-wide information systems is the Modular Academic Information System (MAIS), which is used for study management. In this system, students have at their disposal all the important information on individual subjects that are listed in the course information sheets.

All necessary information is available to students on the website of the faculty or individual departments. Teachers also provide students with learning materials in digitalised form, communicate and consult students through electronic communication (e-mail, MS Teams, Moodle) or via the website of the department.

- c) Characteristics and extent of distance learning applied in the study programme with assignment to subjects. Accesses, manuals of e-learning portals. Procedures for the transition from in-person to distance learning.

The University of Prešov uses the e-learning system of online learning in the Moodle environment to support teaching. It is available at <https://elearning.unipo.sk/> and contains basic information, courses and manuals. The electronic e-learning system in the Moodle environment is available to all students, teachers and staff of the University of Prešov to improve the quality of teaching. All-university e-learning provides courses for FHC of UP, FOT of UP and FS of UP. Other faculties, including FHNS, operate their own e-learning server. In the case of exceptional circumstances, it is possible to make a partial or complete transition to distance learning. An effective method in this case is the use of interactive forms of lectures through MS Teams and feedback through didactic tests through MS Forms. In the case of exceptional epidemiological conditions, subjects whose content has a practical focus can be implemented in compliance with the current measures.

- d) Partners of the university in the provision of educational activities of the study programme and characteristics of their participation.

As part of the improvement of the study programme Biology, we cooperate with Slovak as well as Czech workplaces under the guidance of important professors and research experts:

- Masaryk University, Přírodovědecká Faculty, Institute of Anthropology – Prof. PhDr. Jaroslav Malina, DrSc.
- Charles University, Přírodovědecká Faculty, Department of Anthropology and Human Genetics – Prof. RNDr. Jaroslav Brůžek, CSc.
- University of Constantine the Philosopher in Nitra, Faculty of Natural Sciences, Department of Zoology and Anthropology – Prof. RNDr. Mária Vondráková, CSc.

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- Comenius University Bratislava, Faculty of Natural Sciences, Department of Molecular Biology – Prof. RNDr. Jan Turňa, CSc.
- Archaeological Institute of SAS, Nitra – PhDr. Ladislav Olexa
- Cardiocentre – Faculty Hospital J. A. Reimana Prešov – Prof. MUDr. Jan Kmec, PhD., MPH, Fesc
- IMUNA Pharm s.r.o., Šarišské Mikhaly
- Biotika a.s., Slovenská Lupča
- Criminal-Expert Institute of the Police Force of the Slovak Republic, Košice
- National Institute of Child Tuberculosis and Respiratory Diseases, n.o. Dolný Smokovec
- Analytical and Diagnostic Laboratories: Schneider, adla s.r.o.
- State Veterinary and Food Institute, Košice
- Institute of Animal Physiology, SAS, Košice
- Parasitology Institute, SAS, Košice
- Bohemia Pharmaceutical s. r. o., Prague

Participation of these workplaces is based on mutual cooperation and projects, cooperation on research activities, professional publications and scientific articles, preparation of opposing opinions. Lectures on specific issues and excursions of students to the premises of workplaces are organised. Selected workplaces provide seminars, training in laboratory diagnostic techniques, workshops. We plan to implement cooperation, e.g. in the form of exchange of opponents of final thesis, within the framework of joint and transnational student competitions (ŠVOUČ, Biological Olympiad, etc.).

Students have the opportunity to attend Erasmus+ exchanges, monthly or semester traineeships at foreign institutions with which the Faculty of Humanities and Natural Sciences has signed interinstitutional agreements:

- Charles University in Prague, Czech Republic,
- Jihoče University in České Budějovice, Czech Republic
- Università degli Studi di Messina Italy,
- Adam Mickiewicz University in Poznań, Poland
- University of Wrocław, Poland
- Vytautas Magnus University, Lithuania

The possibilities and conditions for the participation of students of the study programme in mobility and internships are described in point 8f.

e) Characteristics on the possibilities of social, sports, cultural, spiritual and social enjoyment.

Students of the UP are accommodation provided in four separate facilities (Student' Hall of Residence – Ul. 17 November No. 11; Student' Hall of Residence – Ul. 17 November No. 13; Student' Hall of Residence – Nám. Mládeže street No. 2; Student' Hall of Residence – Exnárova street No. 36) and 2 specialised workplaces (Orthodox Seminary of Priests; Greek Catholic Priestly Seminary). The Student' Hall of Residence creates conditions for independent study and rest of accommodated students, for the development of cultural, social and sports life and for the development of the interest activities of accommodated students. The accommodation of UP students is designed in double – quadruple rooms with complete social equipment in the cell system. In 2018 began the reconstruction of the Student' Hall of Residence on 17 November 11 and 13, which was completed at the end of 2019. In 2021, the reconstruction of the Student' Hall of Residence at Nám. Mládeže street No. 2 was completed. In all establishments there is an internet connection directly in the rooms. There is a TV room, laundry and tea kitchens on each floor. The University Pastoral Center is available to students on the 11st floor. A hairdresser, cosmetics and health center offers its services in the area. Coffee and sweets machines are available.

Students of the university have the possibility of leisure sports in sports facilities of UP such as swimming pool, gym, multipurpose sports area or multifunctional playground. In both semesters of the 2019 calendar year, the FS organised for university students a University Mix-Volleyball League and a Football Mini League of UP, which is of constant interest. The University Days of Sport organised by FS also have a long tradition, in which almost 600 students were actively involved in 2019. Students of the university can also develop their sporting interests in several sports teams and clubs TJ Slávia UP Prešov. Its membership is made up of about 300 athletes each year. FS organises a number of periodic and non-periodical sporting and sports-educational activities every year not only for students but also for the general public of different ages (Spring Run; Children's sports Olympics of kindergartens; Olympic pentagon of seniors; Running of the Olympic Day; The squad; ProSenior motion program and others). In the implementation of these activities, the FS cooperates with students, the Olympic Club Prešov and the City of Prešov.

At the UP in Prešov there are 11 artistic ensembles that are members of the Council for Art Activities of the University. They operate at individual faculties of the university, whose professional guarantors are artistic leaders. The members of the ensemble are mainly university students. Art ensembles of the University are an example of the use of leisure time by undergraduates, representing the university at domestic and foreign artistic events such as: academic competitions, shows, festivals, television and radio performances, recordings, significantly influence cultural and social life at the university with performances independent and at university and faculty festive events, represent and create an image of the university within the city of Prešov, Prešov region, nationally and internationally.

The University Pastoral Center of Dr. Štefan Hések in Prešov (hereinafter UPC) <http://upc.unipo.sk/> is part of the nationwide network of university pastoral centers. Its main task is to care for the spiritual needs of university students and educators. For its activities at UP, UPC uses the chapel in Student's Hall of Residence at 17 November street, the TV room in Exnárova 36 and the premises of the Aules No. 100 on 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, also develops activities in the spiritual field at the UP. GMPC cooperates very intensively with GCTF of UP and offers various leisure activities. The purpose of this centre is to offer young people working and studying in Prešov a space for a common meeting, dialogue, a fuller experience of their faith as well as mutuality between themselves and the world. This is done on the basis of friendship, conversations, meetings, invited lectures, spiritual and leisure activities.

Student's Hall of Residence and Canteen of UP: <https://www.unipo.sk/sdj>
UP Annual Report (2020):

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

- f) *Opportunities and conditions for students of the study programme to participate in mobility and traineeships (indicating contacts), application instructions, rules for the recognition of this training.*

Opportunities and conditions for the participation of students of the SPA Biology in foreign mobility and internships (Erasmus+, SAIA, Swiss-European Mobility Programme (SEMP) Scholarship, AIESEC Traineeship, Traineeship in Canada, Study in Japan, Visegrad Fund), are organised and legally secured by the Department of Internal of the UP (<https://www.unipo.sk/zahranicne-vztahy/erasmus/studenti>) and the Internal Relations office of the FHNS of UP.

The study programme allows adequate education outside the university in domestic and foreign institutions, in particular through the promotion of mobility. The results of this education are recognised by the university. Mobility is regulated by the Study Rules in the section on the organisation of educational activities. The consent to mobility is given by the dean/rector or vice-dean/proctor for external relations. Part of the study is recognised in accordance with the Treaty, the European Standard and the European Credit Transfer System. The Rector's Directive "Procedures for the implementation of outgoing student mobility within the Erasmus+ programme" is issued at the Prešov University in Prešov (UP) on the basis of the provisions of Section 15(1)(l) of Act No 131/2002 on higher education institutions and amending certain acts, as amended. For posted students, credits are assessed on the basis of their acquisition, i.e. the guarantor of the study is evaluated the degree of conformity of the completed teaching with the given study programme. In case of interest, the student can also enroll the subjects at the home institution and graduate it in a distance method, if the nature of the subject allows it.

Motivational videos, processes, procedures and instructions for logging in, selecting and implementing mobility are published on the website: 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.

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

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

Students of the Biology study programme (Master) can take part in Erasmus+ mobility at the following universities abroad on the basis of interinstitutional agreements:

Charles University in Prague, Czech Republic,

Jihoče University in České Budějovice, Czech Republic

Università degli Studi di Messina, Italy,

Adam Mickiewicz University in Poznań, Poland

University of Wrocław, Poland

Vytautas Magnus University, Lithuania

<https://www.unipo.sk/zahranicie/erasmus/dohody/zoznam/>

9. Required skills and prerequisites of the applicant for study of the study programme

- a) Required skills and prerequisites for admission to study.

The long-term goal and strategic goal of the university is to prepare high-quality graduates in accredited study programmes. A prerequisite for achieving this goal is to recruit students who meet demanding quality criteria to study. The University has developed a system of procedures for the admission of students elaborated in the Study Rules of the UP in Articles 3 to 9 and in the Rector's Directives: Admission procedure.

The basic conditions for admission to the 2nd degree (Master's degree) are the university degree of the 1st degree or the university degree of the 2nd degree (with the sum of the number of credits obtained for the previous university studies, which received the education and the number of

credits required for the proper completion of the second-level study programme for which the applicant applies must be at least 300 credits). The specific conditions of the admission procedure, corresponding to the specifics and specificities of study programmes, are drawn up by each faculty.

The admission procedure for the applicant for study begins with the submission of his/her written application for study to the faculty or to the university which carries out the relevant study programme. In addition to the written application, which is mandatory, the faculty will also allow to deliver the application in electronic form without a guaranteed electronic signature, using an information system that allows the applicant for study to verify its registration in the information system from the date of its submission to the date of completion of the admission procedure. The Dean may decide whether the admission examination will be part of the admission procedure or the candidates for study will be admitted without an entrance exam. In justified cases, the dean of the faculty may issue a second round of admission procedure. In the case of a study programme carried out at a university, all requirements are decided by the Rector in this case. The course and schedule of the entrance exam will be determined by the dean of the faculty. The faculty shall determine the form and content of the admission examination. The dean decides on admission to study. The Dean's advisory body is the Reception Commission, whose members are appointed by the Dean. Admission to the study programme carried out at the university is decided by the Rector. The Rector's advisory body shall be the receiving commission, the members of which shall be appointed by the Rector. The decision on the outcome of the admission procedure must be made in writing within 30 days of the verification of the fulfilment of the conditions of admission to the study. The decision must contain an operative part, a statement of reasons and an indication of the possibility of applying for a review of the decision. An applicant who fails to prove that the basic conditions of admission to study have been met at the time of verification of the fulfilment of the conditions for admission may be admitted to the study conditionally, subject to the obligation to prove that the basic conditions of admission to study are met at the latest on the date set for enrolment for study.

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At the FHNS of UP, candidates are admitted to all Master's degree programmes without an entrance exam based on the study results. If the number of applicants exceeds the faculty's capacity, priority will be given to applicants with a better average of study.

Rector's Directive No 5/2021 Recruitment procedure: https://www.unipo.sk/public/media/0190/OR_prijimacie_konanie-2.docx.pdf

b) Admission procedures for study.

The procedures for admission to study at the UP in Prešov are organised and legally anchored in Rector's Directive No 5/2021 and are available at https://www.unipo.sk/public/media/0190/OR_prijimacie_konanie-2.docx.pdf under point 5.1. Information on the admission process. Specific and detailed information on the admission procedure for PHPV study programmes is available at: <https://www.unipo.sk/fakulta-humanitnych-prirodných-vied/informacie-pre-uchadzacov/pk/>

c) The results of the admission procedure over the last period.

The following table provides information on the number of applications submitted for study, the number of accepted students as well as enrolled students in the 1st year of biology at the Master's level of study in the previous period.

Academic year	Number of applications submitted	Number of students admitted	Number of enrolled students in the 1st year.
2016/2017	31	27	18
2017/2018	26	24	14
2018/2019	18	16	12
2019/2020	28	26	17
2020/2021	28	27	24
2021/2022	23	22	15
Together	154	142	100

10. Feedback on the quality of the education provided

a) Procedures for monitoring and evaluating students' views on the quality of the study programme.

The organisational and legal aspects of the procedures for monitoring and evaluating students' views on the quality of the study programme 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 education provided is carried out on a regular basis (each semester) through a questionnaire in MAIS. After completing each semester, the University of Prešov implements feedback using an electronic questionnaire, which is accessible in the MAIS tab in the top menu ANKETA. The questionnaire items are the same for all students of our university and for all subjects completed: <https://student.unipo.sk/maisportal/home.mais>

b) Results of student feedback and related measures to improve the quality of the study programme.

The results of the survey focused on the evaluation of the quality of the study programme by students are published in MAIS in the ANKET AQUALITY section. Quality improvement measures are taken continuously in accordance with the Internal Quality System of the UP in Prešov (<https://www.unipo.sk/vsk/>) and the Internal Quality System of the FHNS of UP in Prešov (-).

The results of the student feedback are presented and consulted at the meeting of the College of the Dean of the FHNS.

Evidence: Minutes of the College of the Dean of the FHNS.

Feedback from students is also monitored by each educator in the educational process of the subjects he teaches. The impact of feedback on relevant subjects has been implemented in the preparation of Course Information sheets in order to improve the teaching process and develop the knowledge, skills and competences of students with regard to the requirements of practice. Comments from students related to the study programme were promptly addressed and evaluated during working sessions by members of the Department of Biology over the years.

As part of the preparation of the study programme, the following students gave us their views:

BC. Gabriela Sabola

Mgr. Andrea Buriková

The meetings took place via MS Teams, email and telephone communication. Minutes of the meetings were drawn up in the Administrative Records section (ADMIN_FAKULTA). We did not notice any major comments on the composition of the RSP and the quality of the study programme. Substantiated comments were discussed at the working meetings of the study programme sponsors and incorporated into the description of the study programme. The harmonisation of the study programme Biology and the incorporation of comments on the quality of the study programme were carried out in accordance with the formalised processes of the internal system, which are enshrined in the documents:

Basic principles of assurance and evaluation of the internal quality system of the University of Prešov in Prešov:

https://www.unipo.sk/public/media/37750/Opatrenie%20rektora%20%C4%8D_1_2021_V%C3%BDchodiskov%C3%A9%20principy%20zabezpečenia%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 procedure and inaugural proceedings at the Prešov University in Prešov:

https://www.unipo.sk/public/media/38257/Smernica%20%C5%AOP_%20HK_%20IK%20PU.docx.pdf

The curriculum of the curriculum description is used for processing Annex 2 of the application for accreditation of the study programme.

The documents declare an independent, unbiased, objective, professionally sound, transparent and fair assessment of the proposal and approval of a study programme involving students, employers and other stakeholders. At the same time, it is guaranteed that the persons assessing and approving the study programme are different from those involved in the preparation of the draft study programme.

Reports on the study programme's comments by stakeholders can be found in the Administrative Records (ADMIN_FAKULTA) section, as well as the opinion of the person responsible for the study programme on the incorporation of stakeholders' comments on the study programme.

c) Results of graduate feedback and related measures to improve the quality of the study programme.

As part of the preparation of the study programme, the following graduates gave us their views:

Mgr. Andrew Ragač

Mgr. Dominika Hungarian

Meetings with graduates of the study programme Biology took place through the MS Teams platform, by mail and telephone communication. Minutes of the meetings were drawn up in the Administrative Records section (ADMIN_FAKULTA). We did not notice any major comments on the composition of the RSP and the quality of the study programme. Substantiated comments were discussed at the working meetings of the study programme sponsors and incorporated into the description of the study programme. The harmonisation of the study programme Biology and the incorporation of comments on the quality of the study programme were carried out in accordance with the formalised processes of the internal system, which are enshrined in the documents:

Basic principles of assurance and evaluation of the internal quality system of the University of Prešov in Prešov:

https://www.unipo.sk/public/media/37750/Opatrenie%20rektora%20%C4%8D_1_2021_V%C3%BDchodiskov%C3%A9%20principy%20zabezpečenia%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 procedure and inaugural proceedings at the Prešov University in Prešov:

https://www.unipo.sk/public/media/38257/Smernica%20%C5%A0P_%20HK_%20IK%20PU.docx.pdf

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Reports on the study programme's comments by stakeholders can be found in the Administrative Records (ADMIN_FAKULTA) section, as well as the opinion of the person responsible for the study programme on the incorporation of stakeholders' comments on the study programme.

11. References to other relevant internal regulations and information relating to the study or student of the study programme (e.g. study guide, accommodation codes, fee directive, student loan guidelines, etc.).

Relevant internal regulations and information relating to the study or student of the study programme are available at:

<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/biologia/>