

8.1 Types of high education institutions and their status

According to the Law on Higher Education, the activity of high education in the Republic of Serbia is performed by the following higher-education institutions:

- **University** – A University is an independent institution of higher education, which unites educational and scientific research activities, vocational or artistic activities, as components of integral higher education process. University can perform all types of studies. An institution of higher education has the status of a university if it performs academic study programs at all levels of studies, within at least three fields (natural sciences and mathematics, social studies and humanities, medical sciences, technical and technological sciences, and arts) and in three areas. As an exception, a university can be established in the field of art, if it contains all three levels of studies from at least three areas of art.
- **Faculty or Academy of Arts, as a part of the university** – A Faculty or Academy of Arts is an institution of higher education, i.e. a higher education unit as part of a university, which performs academic study programs and develops scientific research, vocational or artistic work within one or more areas. A Faculty or Academy of Arts can also perform vocational study programs. As a legal entity, a Faculty or Academy of Arts is represented by the name of the university which it belongs to, by its own name and in accordance with the university statute.
- **Academy of Vocational Studies** – An Academy of vocational studies is an independent institution of higher education which unites educational, research, vocational and artistic activities, as a part of the integral process of higher education. An Academy of vocational studies can perform undergraduate vocational studies and specialist vocational studies. An institution of higher education has the status of the Academy of Vocational Studies if it accomplishes at least five accredited vocational study programs in at least three fields.
- **College** – A College is an independent institution of higher education which performs undergraduate academic, specialist and master academic studies in one or more areas.
- **College of Vocational Studies** – A College of vocational studies is an independent institution of higher education which performs undergraduate vocational and specialist vocational studies in one or more areas.

The listed institutions are independent institutions of higher education, except for faculties and academies of arts.

8.2 Types, cycles and organization of studies

The activity of higher education is performed through academic and vocational studies based on approved, i.e. accredited study programs for the achievement of higher education degrees.

At the **academic studies**, the academic study program is carried out, which prepares students for the development and application of scientific, professional and artistic achievements. There are three cycles of academic studies.

Academic studies of the first cycle are undergraduate academic studies.

Academic studies of the second cycle are master academic studies and specialist academic studies. Integrated academic studies are undergraduate academic and master academic studies organised as a whole.

Academic studies of the third cycle are doctoral academic studies.

At the **vocational studies**, the vocational study program is carried out, which prepares students to apply knowledge and skills necessary for participating in the work process. There are two cycles of vocational studies.

Vocational studies of the first cycle are undergraduate vocational studies.

Vocational studies of the second cycle are specialist vocational studies.

8.2.1 Undergraduate (academic or vocational) studies

Undergraduate studies are organised by all institutions of higher education defined by the Law on Higher Education.

Undergraduate academic studies last three to four years and grant, upon their completion, 180 to 240 ECTS, respectively.

Undergraduate vocational studies last three years and grant, upon their completion, 180 ECTS.

Study program of undergraduate study may include the final thesis.

A person, who completes the undergraduate academic study, earning a minimum of 180 ECTS or lasting at least three years, is awarded an academic degree of the first cycle of academic studies in the corresponding area.

A person, who completes the undergraduate academic study, earning a minimum of 240 ECTS or lasting at least four years, or a person who has earned at least 240 ECTS in academic studies of the first or the second cycle, is awarded an academic title "Bachelor with Honours", with an academic degree of the first cycle of academic studies in the corresponding area.

A person, who completes the undergraduate vocational studies, is awarded a professional degree of the first cycle in the corresponding area.

8.2.2 Master academic studies

Master academic studies may be organized by a university, a faculty or a college. Master academic studies last one or two years, depending on the workload of the undergraduate academic studies, so that on the whole their duration should correspond to a minimum of 300 ECTS. The study program of master academic studies requires the final thesis. A person, who completes master academic studies, is awarded a master academic degree, corresponding to the degree of the second cycle of academic studies in the corresponding area.

8.2.3 Integrated academic studies

Academic study programs may be also organized as integrated within undergraduate academic and master academic studies (integrated academic studies) with a minimum of 300 ECTS and the maximum of 360 ECTS (academic study programs in medical sciences).

8.2.4 Specialist (academic or vocational) studies

Specialist studies last at least one year with a minimum of 60 ECTS and can be either academic or vocational. The study program of specialist studies can include the final thesis. A person, who completes specialist studies, is awarded a professional degree of the second cycle of academic or vocational studies in the corresponding area.

8.2.5 Doctoral academic studies

Doctoral academic studies may be organized by universities, faculties and academies of arts. Doctoral academic studies last for at least three years with a minimum of 180 ECTS, under condition that previous undergraduate and master academic studies lasted for at least five years and with a minimum of 300 ECTS. Doctoral dissertation is the final part of the study program of doctoral academic studies, with the exception of doctoral studies in arts, which is a project in arts. Exceptionally, a doctoral degree can be awarded to a person who graduated in medical studies and a completed specialization, after the defended doctoral dissertation based on the papers published in top-ranking international journals.

8.3 Grading system

A student's achievement in a specific subject is continuously monitored during lessons and expressed in points. By fulfilling the pre-exam duties and by passing exams, a student can achieve the maximum of 100 points. Study program establishes the proportion of points achieved in the pre-exam duties and in the exam, where pre-exam duties bring a minimum of 30 and maximum of 70 points. The student's success at an exam is expressed by grades on a scale from 5 (failed) to 10 (excellent). An institution of higher education can establish another, non-numerical method of assessment, by establishing the relation between these grades and those of 5 to 10. A general act of an institution of higher education defines more closely the mode of examination and assessment of examination results.

8.4 Conditions for enrollment and continuation of higher education

To enroll at the first cycle studies, a candidate takes an entrance exam or ability-check exam, in accordance with the general act of an independent institution of higher education.

The ranking of candidates to enroll at the first cycle studies is established on the basis of the average success achieved during high-school education and results achieved at the entrance exam or at the ability-check exam.

A candidate, who passed the general graduation high school exam, does not take the entrance exam. In this case, the candidate's results of the general graduation high school exam are assessed, instead of the entrance exam, in accordance with the general act of an independent institution of higher education.

An independent institution of higher education may direct the candidate, who passed the general vocational or art graduation exam instead of the entrance exam, to take tests in certain subjects of the general high school graduation exam.

On the basis of the competition criteria, an independent institution of higher education makes the ranking list of applicants. **The right to enroll at the first cycle studies** is given to the student who is ranked on the list, within the quota determined in accordance with the article 84 of the Law on Higher Education.

The student of the **first cycle** studies of another independent institution of higher education, a person who acquired the higher education at the first cycle studies, and a person who no longer has the status of a student, in accordance with this law, can enroll at the first cycle studies, under conditions and within terms established by the general act of an independent institution of higher education, at the personal demand.

A candidate enrolls at **the second and the third cycle** of studies under certain conditions, according to the manner and procedures established by the general act and open competition of an independent institution of higher education.

8.5 Accreditation

Accreditation establishes that an institution of higher education and study programs fulfills the standards established by the National Council, and that it has the right to issue public documents, in accordance with the Law on Higher Education.

In the process of accreditation of an institution of higher education, it is established if the institution fulfills certain conditions which are, according to the Law on Higher Education, specified for the given institutions which perform the higher education activity.

The process of accreditation is conducted at the demand of the Ministry, the founder, i.e., the institution of higher education itself. In the process of accreditation, Commission for Accreditation and Quality Assurance can issue a certificate of accreditation of an institution of higher education or study program, can issue an act of warning to an institution of higher education, which indicates the weaknesses in terms of meeting the prescribed conditions, and can give a deadline for removing the aforementioned weaknesses or can make a decision rejecting a request for accreditation.

If Commission for Accreditation and Quality Assurance reaches a decision rejecting a request for accreditation, the founder or an institution of higher education can file a complaint to the National Council for Higher Education within 30 days from the day the decision was received. There could be a legal process filed against the decision of the National Council. The founder or an institution of higher education has the right to reapply with the request for accreditation one year after the decision rejecting request for accreditation was received.

The institution of higher education can start working and performing its activities after it has received the working license. Working license is issued by the Ministry, at the request of the institution of higher education. At the territory of Autonomous Province of Vojvodina, the licence is issued by the Province's authorities.

8.6 National sources of information

- **The Ministry of Education, Science and Technological Development**, Nemanjina 22-26, 11000 Belgrade, Serbia; Telephone: +381/11/363 11 07, Fax: +381/11/361 64 91, web: www.mp.gov.rs
- **The National Council for Higher Education**, the Palace of the Republic of Serbia, Bulevar Mihajla Pupina 2, 11000 Belgrade, Serbia.
- **Provincial Secretary of Education**, Bulevar Mihajla Pupina 16, 21000 Novi Sad, Serbia, AP Vojvodina; Telephone +381/11/487 45 55. Fax: +381/21/456 986; web: www.obrazovanje.vojvodina.gov.rs

REPUBLIC OF SERBIA**UNIVERSITY OF NIŠ**

(Name and address of the Independent Higher Education Institution)

Faculty of Sciences and Mathematics in Niš

(Name and address of the Higher Education Institution)

**DIPLOMA SUPPLEMENT**

Valid only with the diploma number / dated / year MAS -

(Serial number)

Diploma supplement provides a description of the nature, cycle, cohesion, context and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. Information in all eight sections should be provided, and where information is not provided, an explanation should give the reason why.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1 First Name:

/

1.2 Surname:

/

1.3 Date of birth:

/

1.4 Student's identification number:

JMBG:

/ /

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Title conferred (vocational, academic, scientific):

Master of Science in Biology (M.Sc. Biol.)

2.2 Scientific/artistic/vocational field(s) of study:

Biological Sciences

2.3 Name and status of the awarding institution:

University of Niš, Faculty of Sciences and Mathematics in Niš (state faculty)

2.4 Name and status of institution administering studies (if different from 2.3):

/

2.5 Language of instruction:

Serbian

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Type and level of qualification:

Master academic studies (second cycle)

3.2 Official length of studies:

2 years (4 semesters)

3.3 Access requirements:

Students are required to hold a Bachelor's degree in biology of at least three years in duration, that is, to have achieved a minimum of 180 ECTS credits.

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1 Mode of study:

Full-time studies (at the seat of the faculty)

4.2 Name and aims of the study program:

Master academic studies – Biology. Students have to achieve a minimum of 120 ECTS credits and fulfill all the requirements as stated by the study programme, which includes mandatory and elective courses, research study and a master thesis. The aim of the programme: increased knowledge of evolutionary changes on our planet; detailed knowledge of the structure and function of the living matter; deep understanding of biological facts and principles; awareness of the possibility of applying biological knowledge in medicine, agronomy, technology, industry, economics, etc.; detailed study of biodiversity in plant and animal world; theoretical and practical knowledge of organisms and life processes; developing human resources that will be able to contribute to further development of science and scientific education applying the research methodology; increased fund of knowledge about biological problems in nature; increased fund of knowledge about diversity in plant and animal.

4.3 Please see the next page:

4.4 Grading scheme:

Grades:	Classification:	Points number	
		from	to
10	excellent	91	100
9	outstandingly good	81	90
8	very good	71	80
7	good	61	70
6	sufficient	51	60
5	fail	0	50

4.5 Average grade and classification:

8.06 (eight and 06/100), very good

4.3 Study program details and the marks obtained:

Subjects										
No	code	title	status	ECTS	total number of classes			Year of the study program	Grade	Lecturer (surname and name)
					lectures	practice	other			
1	BIO401	Environmental Protection	M	6	30	30	0	I	6 (six)	Stamenković Slaviša
2	BIODI17	Biochemical Systematics of Plants	E	6	30	0	30	I	10 (ten)	Mitić Zorica
3	BIODI12	Systematics and Ecology of Herbs	E	6	30	30	0	I	10 (ten)	Mitić Zorica
4	BEZ401	Plant Ecology	M	6	30	30	0	I	6 (six)	Randelović Vladimir
5	BIODI292	Fundamentals of Genetic Engineering	E	6	30	0	30	I	10 (ten)	Mitrović Tatjana
6	BIODI24	Methods of Practical Teaching Biology in Schools	E	6	30	30	0	I	7 (seven)	Jušковић Marina
7	BIODI22	Human Genetics	E	6	30	30	0	I	7 (seven)	Cvetković Vladimir
8	BEZ402	Animal Ecology	M	6	30	30	0	I	6 (six)	Savić Ana
9	BIO403	Theory of Evolution	M	6	30	30	0	I	7 (seven)	Crnobrnja-Isailović Jelka
10	BIO402	Comparative Physiology of Animals	M	6	30	0	30	I	6 (six)	Đorđević Ljubiša
11	BIODI34	Experimental Biochemistry	E	6	30	0	30	II	8 (eight)	Mitrović Tatjana
12	BIODI33	Innovations in Didactics	E	6	30	30	0	II	10 (ten)	Petrović Jelena
13	BIO404	School Practice	M	6	30	45	0	II	9 (nine)	Jušковић Marina
14	BEZ501	Scientific Research Methodology	M	12	60	60	0	II	7 (seven)	Stojanović-Radić Zorica
15	BIODI32	Zoology Practicum	E	6	30	30	0	II	6 (six)	Žikić Vladimir
16	BEZ502	Research Study	M	12	0	0	225	II	10 (ten)	Stojičić Dragana
17	BIODI37	Child and Adolescent Psychology	E	2	15	15	0	II	10 (ten)	Todorović Jelisaveta
18	BIO501	Master Thesis	M	12	0	0	0	II	10 (ten)	

Total 122

Average grade 8.06

Title of the final paper / dissertation / artistic project: /

Commission for the paper defence: /

*the grade has been acknowledged

5. INFORMATION ON PURPOSE

5.1 Access to further studies:

Second degree academic studies - Specialist academic studies
Third degree academic studies - Doctoral studies.

5.2 Professional status:

Master of Science in Biology (M.Sc. in Biology) Graduates are prepared for scientific research in biology and related jobs at institutes of biology, agronomy, medicine, veterinary, nature and environment, etc. They are qualified for being teachers in elementary and secondary schools, and teaching and research assistants at universities and other institutions of higher learning.

6. ADDITIONAL INFORMATION

6.1 Additional information on the student:

6.2 Further information sources on the institution:

www.pmf.ni.ac.rs

7. CERTIFICATION OF THE DIPLOMA SUPPLEMENT

7.1 No: / Date: /

7.2 Authorised person:

Prof. Perica Vasiljević, Ph.D., Dean

Authorised person:

Prof. Dragan Antić, D.Sc., Rector

7.3 Official seal and signature:

Official seal and signature:

8. INFORMATION ON THE SYSTEM OF HIGHER EDUCATION IN THE REPUBLIC OF SERBIA

