

UNIVERSITY OF PRIMORSKA
UNIVERSITÀ DEL LITORALE



(FACULTY OF MATHEMATICS, NATURAL SCIENCES AND INFORMATION
TECHNOLOGIES)

SELF - EVALUATION REPORT EDUCATIONAL ACTIVITY 2019/2020

Discussion and acceptance:

Commission for Promotion and Monitoring of Educational Quality and research work UP FAMNIT: 5th regular session, 23th February 2021

UP FAMNIT Commission for Study and Student Affairs: 25th regular session, 23th February 2021

Senate UP FAMNIT: 22nd regular session, March 1st, 2021

UP FAMNIT Student Council: 5th regular session, February 18th, 2021

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Dean of UP FAMNIT

Koper, March 2021

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CONTENT

INTRODUCTION.....	4
1. QUALITY ASSURANCE	5
2. PRESENTATION OF EDUCATIONAL ACTIVITIES.....	6
2.1. Study programmes for obtaining education	7
2.2. Enrolled students	7
2.3.1. Enrolled foreign students	8
2.3. Graduates	8
3.1. Share of first-year students enrolled on to the first year in the first application period (KUP_01).....	9
3.2. Average number of points of accepted candidates (KUP_02).....	12
3.3 Numerical ratio between advertised places, registered and enrolled students on to the 1st year (without repeaters) (KUP_03)	13
3.4 Transition to a higher year (KUP_04)	15
3.5 Percentage of repeaters in study programmes (separately for each study programme) (KUP_05)	16
3.6 Continuation of studies	17
3.7 Average number of years of study per student in study programmes (KUP_06).....	18
3.8 Number of students per employed higher education teachers, associates and providers of study programmes in FTE (KUP_07)	20
For a comprehensive and more realistic assessment of the ratio between the number of teachers / associates and the number of students, comparable data for related Slovenian and foreign higher education institutions would be needed.	21
3.9 Evaluation of higher education teachers and associates in student surveys (KUP_08)	21
The excerpt from the report is also discussed by the Student Council of the Faculty, and students also participate in the discussion of the abstract at the Faculty Senate through their representatives.	22
3.10 Employment and employability of graduates (KUP_09)	22
4. QUALITY ASSURANCE SYSTEM OF STUDY PROGRAMMES	26
5. IMPLEMENTATION OF ACTIONS IN THE STUDY YEAR 2019/2020 AND PLANNED ACTIONS FOR THE STUDY YEAR 2020/2021.....	27

INTRODUCTION

The Faculty of Mathematics, Natural Sciences and Information Technologies is a member of the University of Primorska. It was established by amending the Decree on the Establishment of the UP on 27th December 2006 (Official Gazette of the Republic of Slovenia, No. 137/06). The abbreviated name of the faculty is UP FAMNIT.

The faculty implements the national higher education programme according to the principles of autonomy of the profession and the origin of the fields, in accordance with the registered activity of the faculty. UP FAMNIT is a higher education institution that performs educational activities in fields of study classified in accordance with the regulation governing their introduction and use.

1. QUALITY ASSURANCE

Focus on the quality of work is a part of the mission, vision and values of the faculty. At the same time, activities in the field of improving quality assurance are oriented primarily on:

- improving the quality mesh through planning, performance monitoring, ongoing debugging, self-evaluation, strategic planning, and
- promoting a general culture of quality, where every stakeholder (employees, students, graduates and other participants) feels a part of the process of improving the quality of the faculty.

In accordance with its mission and vision, the faculty plans the activities and reports on the implementation of these annually:

- the faculty plans its activities within the annual work programme and in accordance with the adopted long-term goals;
- The realization of the planned goals and the self-evaluation of activities also take place yearly in two main documents; the annual report and the self-evaluation report for the academic year.

In line with its mission and vision, the faculty monitors quality indicators and faculty development in seven key areas (columns), namely: educational activities, research activities, international activities, students, human resources (employees), social responsibility and support activities.

The faculty thus monitors both systematically and regularly the following items:

- the quality indicators in the field of education, research, international and inter-university cooperation, cooperation between members, management, determined by the UP Senate on the basis of a proposal of the competent university commission (yearly). These indicators are analysed and commented on in the annual self-evaluation report;
- students' performance in taking exams (after each exam period). The Office for Study and Student Affairs prepares data on passed exams by individual students and programmes after the end of the examination period and forwards the data to the coordinators, who then talk to students and encourage them to regularly perform their study obligations;
- Student satisfaction is monitored through a student survey (yearly) and through regular meetings of coordinators of study programmes with students;
- employee satisfaction is monitored by a survey for employees (once a year);
- the employability of graduates is monitored by the faculty through an analysis prepared by the University for all graduates of the University of Primorska and through a survey;
- Accompany of information is a strong support in monitoring data on the implementation of activities and in formulating appropriate measures.

The Faculty has established the following support tools and activities, which are intended for ongoing monitoring and solving various challenges, thus directing the activities of both study and other activities:

- a tutoring system: student and teacher tutorship;
- the field of student counselling is regulated: counselling is provided by lecturers, contractors and assistants, student tutors, study programme coordinators (who are also teacher tutors), heads of departments, vice dean for study affairs and the Student Services Office;
- communication between various stakeholder within the faculty, which enables the faculty to identify weaknesses in a timely manner and introduce improvements based on regular meetings (weekly and monthly) held at the faculty at the following levels: faculty management level, department level, programme level: regular meetings coordinators of study programmes with students (usually three to four meetings a year), a meeting of the dean with students to present and discuss the results of the student survey; at the level of the administration or support services of the faculty.

Processing results and introducing improvements:

- the results of individual analysis by key areas are prepared by individual professional fields. The results of the analysis with the aim of introducing improvements are discussed at regular and extraordinary meetings at various levels, as well as at commissions and the senate of the faculty;
- the results of the analysis and plans for improvements are presented in annual reports (annual report of the faculty, annual self-evaluation report), which are submitted to the competent commission for quality of the faculty (KSSK¹ UP FAMNIT / UP IAM²), the senate and the Student Council of the faculty;
- a meeting will be held with students and supervisors and, if necessary, individual employees on the results of the annual student survey on the implementation of the study programmes. The meeting with students is intended to present general data from the student survey and to discuss open-ended questions identified in students' answers. The upgrade of the information system made it possible for each teacher to give their own response (additional explanations and findings) to the results of the student survey, which is intended primarily for the dean;
- strategic decisions are made at the Senate, and operational decisions at the level of management (dean, vice-deans, heads of departments, secretary), based on the received findings and initiatives.

2. PRESENTATION OF EDUCATIONAL ACTIVITIES

UP FAMNIT enrolled the first generation of students in the 2007/08 academic year, and under the wings of UP PEF³, postgraduate study programmes in Mathematical Sciences and Computer Science (master's and doctoral study programmes) were implemented in the 2006/07 academic year.

In the academic year 2019/20, the faculty implemented 18 study programmes, namely:

- eight undergraduate study programmes:
 - o university study programmes: Mathematics, Computer Science, Conservation Biology (Biodiversity), Mediterranean Agriculture, Bioinformatics, Mathematics in Economics and Finance, Biopsychology;
 - o a higher education study programme: Mediterranean Agriculture;
- eight master's study programmes: Mathematical Sciences, Computer Science, Nature Conservation, Mathematics with Financial Engineering, Biopsychology, Applied Psychology, Sustainable Built Environment, Data Science;
- two doctoral study programmes: Mathematical Sciences, Computer Science.

Up to and including the 2016/17 academic year, under the wings of UP FAMNIT, the first, second and third cycle of the study programme Applied Kinesiology was also implemented, and in the 2017/18 academic year it was transferred to the UP Faculty of Health Sciences, University of Primorska.

In 2019, the faculty successfully accredited a new international joint doctoral study programme in Computer Science with the University of St. Andrews, which will be implemented for the first time in the next academic year 2020/21. The doctoral study programme Renewable Materials for Healthy Built Environments is also in the process of accreditation at NAKVIS⁴; the first implementation of the study programme is planned for the academic year 2020/21.

In the previous academic year 2019/20, the faculty began to implement a new higher education study programme, Mediterranean Agriculture. As a result, the faculty will gradually abandon the implementation of the current

¹ KSSK – Commission for the Promotion and Monitoring of Education Quality and Research work

² UP IAM – University of Primorska, Andrej Marušič Institute

³ UP PEF – University of Primorska, Faculty of Education

⁴ NAKVIS - Slovenian Quality Assurance Agency for Higher Education

university study programme, Mediterranean Agriculture (2019/20 - implementation of the 2nd and 3rd year, 2020/21 - implementation of the 3rd year).

2.1. Study programmes for obtaining education

Types and number of accredited study programmes

In the 2019/20 academic year, the faculty implemented 18 undergraduate and postgraduate study programmes.

Table 1: Fields of study

Member	Field of study according to the classification of fields of educational activities / outcomes 2016 (KLASIUS-P-16)
UP FAMNIT	03 Social Sciences, Journalism and Information Science 05 Science, Mathematics and Statistics 06 Information and Communication Technologies (ECTS) 07 Engineering, production technologies and construction 08 Agriculture, forestry, fishing and veterinary medicine 10 Transport, security, catering and tourism, personal services

Table 2: Number of accredited undergraduate study programmes as from the 31st of December 2019

MEMBER	UN, UNDERGRADUATE STUDIES, 1st level		HIGHER EDUCATION, UNDERGRADUATE STUDIES, 1st level		TOTAL	
	ACCREDITED (31. 12. 2019)	IMPLEMENTED 2019/2020	ACCREDITED (31. 12. 2019)	IMPLEMENTED 2019/2020	ACCREDITED (31. 12. 2019)	IMPLEMENTED 2019/2020
UP FAMNIT	7	7	1	1	8	8
Total						

Table 3: Number of accredited postgraduate study programmes as from the 31st of December 2019

MEMBER	MASTER'S STUDIES, 2nd level		DOCTORAL STUDIES, 3RD LEVEL		TOTAL	
	ACCREDITED (31. 12. 2019)	IMPLEMENTED 2019/2020	ACCREDITED (31. 12. 2019)	IMPLEMENTED 2019/2020	ACCREDITED (31. 12. 2019)	IMPLEMENTED 2019/2020
UP FAMNIT	8	8	3	2	11	10
Total						

2.2. Enrolled students

The enrolment on UP FAMNIT study programmes is increasing. Compared to the 2018/19 academic year, in 2019/20 the number of all enrolled students increased by 17.4%.

Table 4: Number of enrolled students on the 2019/2020 academic year (as at 30th of October 2019)

	Full-time		Part-time		Total	
	Total enrolled	Enrolled on to the 1st year	Total enrolled	Enrolled on to the 1st year	Total enrolled	Enrolled on to the 1st year
TOTAL ENROLLED	648	295	19	6	667	301
1st level undergraduate study programmes	483	229	-	-	483	229
- higher education study programmes	23	23	-	-	23	23
- university study programmes	460	206	-	-	460	206
2nd level master's study programmes	165	66	-	-	165	66
3rd level doctoral study programmes	-	-	19	6	19	6

All enrolled: all students, including graduates, are considered.

Enrolled on to the 1st year: first-time enrolled students are considered.

2.3.1. Enrolled foreign students

In the 2019/20 academic year, 278 foreign students were enrolled at UP FAMNIT, of which 215 at the undergraduate level, 47 at the master's level and 16 at the doctoral level. The number of foreign students is increasing and in 2019/20 it already amounts to 41.5% of all enrolled students.

Table 5: Number of enrolled foreign students (as at 30th of October 2019)

	Full-time		Part-time		Total	
	Total enrolled	Enrolled on to the 1st year	Total enrolled	Enrolled on to the 1st year	Total enrolled	Enrolled on to the 1st year
TOTAL FOREIGN STUDENTS ENROLLED	262	137	16	5	278	141
1st level undergraduate study programmes (total)	215	114	-	-	215	114
- higher education study programmes	3	3	-	-	3	3
- university study programmes	212	111	-	-	212	111
2nd level master's study programmes	47	23	-	-	47	23
3rd level doctoral study programmes	-	-	16	5	16	5

All students without Slovenian citizenship are taken into account: EU citizens, citizens outside the EU and Slovenes without Slovenian citizenship.

All enrolled: all students, including graduates, are considered.

Enrolled on to the 1st year: first-time enrolled students are considered.

2.3. Graduates

In 2019, 100 students graduated, which is slightly less than in 2018, when 124 graduates completed their studies.

Table 6: Number of graduates in 2019

	2019
TOTAL GRADUATES	100
1st level undergraduate study programmes	67
- higher education study programmes	-
- university study programmes	67
2nd level master's study programmes	31
3rd level doctoral study programmes	2

3. INDICATORS OF EDUCATIONAL ACTIVITY

The UP monitors educational activity based on the following set of indicators for educational activity:

Label	Indicator name
KUP_01	Share of first-year students enrolled on to the first year on the first application period
KUP_02	Average number of points of accepted candidates
KUP_03	Numerical ratio between advertised places, registered and enrolled students on to the 1st year (without repeaters)
KUP_04	Transition to a higher year
KUP_05	Percentage of repeaters in study programmes (separately for each study programme)
KUP_06	Average number of years of study duration per student in study programmes
KUP_07	Number of students per employed higher education teachers, associates and study programme providers in FTE (full time equivalent)
KUP_08	Evaluation of higher education teachers and associates in student surveys
KUP_09	Employment and employability of graduates

The list of selected indicators is annexed to the self-evaluation report.

3.1. Share of first-year students enrolled on to the first year on the first application period (KUP_01)

Indicator code	KUP_01
Indicator name	SHARE OF FIRST TIME ENROLLED STUDENTS on to THE FIRST YEAR on THE FIRST APPLICATION PERIOD IN 1ST LEVEL STUDY PROGRAMMES
Indicator type	Input indicator
What the indicator measures	Ratio between all first-time students enrolled on the current academic year who submitted their application to a member within the first application period, and all students enrolled on that academic year (without repeaters). The ratio is determined separately for full-time and part-time undergraduate students.
who measures it	The members professional services collect data from the database; measured by the member; interpretation of the indicator responsibility of the member's management
Purpose of the indicator	Input quality monitoring. The data are useful both for the member (monitoring the trend 'level' of users of the members services) and for the UP (comparing members and monitoring the trend of aggregate values).
Indicator calculation	-

The following data are shown in the appendix for study programmes in the academic year 2020/21 and 2019/20:

- number of applications submitted within the 1st application period (all applications submitted to eVŠ⁵ are counted (for the 2019/20 academic year, invalid applications are also counted - submitted to eVŠ but not sent to the enrolment service / faculty, in accordance with the tender),
- number of candidates accepted within the 1st application period,
- number of first-time students enrolled on to the 1st year (without repeaters),
- the share of first-time students enrolled on to the 1st application period in relation to all first-time students enrolled on to the 1st year (I), and
- the share of first-time students enrolled in the 1st application period in relation to the number of students admitted in the 1st application period (II).

⁵ eVŠ – Higher education in Slovenia, Enrolment application portal for studies

Undergraduate Studies:

It follows from the data that the share of first-time enrolled students on the 1st application period compared to all first-time enrolled students (I) increased compared to the previous year (2020/21: 68.16%, 2019/20: 54.85%), which we rate as positive. The share of first-time students enrolled on the 1st application period compared to the number of students enrolled on the 1st application period (II) decreased slightly (5%) (2020/21: 86.08%, 2019/20: 91.87%), however, it is still within expected values.

The data by individual study programmes are presented below.

(I) Proportion of first-time students enrolled on the 1st application period in relation to all first-time students enrolled on to the 1st year:

The share increased in the following programmes:

Study programme	2020/21	2019/20
Biopsychology	110,53 %	94,44 %
Bioinformatics - in English	63,16 %	40 %
Computer Science - in Slovene	68,18 %	52 %
Computer Science - in English	94,59 %	53,49 %
Conservation Biology	51,61 %	35,71 %
Mathematics in Economics and Finance	53,85 %	20 %
Mediterranean Agriculture (higher education study programme)	50 %	47,83 %

* In the Biopsychology programme, the percentage is higher than 100, as some students enrolled on the 1st application period subsequently dropped out.

The share decreased in the following programmes:

Study programme	2020/21	2019/20
Mathematics - in Slovene	25 %	30 %
Mathematics - in English	75 %	77,78 %
Bioinformatics - in Slovene	34,78 %	36,36 %

We consider the increase in the share of students enrolled for the first time on the 1st application period in seven programmes to be very positive. It shows the growing interest of candidates for enrolment on these programmes. The share decreased slightly for both implementations of the Mathematics study programmes, while in the Slovenian implementation of the Bioinformatics programme it remained approximately unchanged.

(II) Proportion of first-time students enrolled on the 1st application period in relation to the number of students admitted in the 1st application period:

Share by individual programmes:

Study programme	2020/21	2019/20
Bioinformatics - in Slovene	88,89 %	100 %
Bioinformatics - in English	75 %	100 %
Biopsychology	80,77 %	85 %
Mathematics - in Slovene	100 %	100 %
Mathematics - in English	87,5 %	100 %
Mathematics in Economics and Finance	100 %	100 %
Computer Science - in Slovene	88,24	86,67 %
Computer Science - in English	92,11 %	100 %
Conservation Biology	94,12 %	90,91 %
Mediterranean Agriculture (higher education study programme)	72,73 %	91,67 %

We consider it very positive that the share of first-time students enrolled on the 1st application period in relation to the number of accepted candidates in the 1st application period increased or remained approximately unchanged in all programmes, which indicates the fact that candidates intend to study in the entered programme. The data for master's programmes shows that both shares are quite high, namely the share of first-time enrolled students on the 1st application period compared to all first-time enrolled students (I) is 65.22%; the share of first-time students enrolled in the 1st application period in relation to the number of students admitted in the 1st application period (II) is 93.75%.

There have been no restrictions on enrolment on the postgraduate programmes so far, which means that all candidates who meet the conditions for enrolment and submit all documentation can enrol. In these programmes, the practice has been established that candidates apply on a regular basis when they have completed their previous studies.

We strive to increase the number of students who applied with their first choice in the first application period, as we want to get the most motivated and committed students. For this purpose, we have been intensively implementing promotional activities among high school and primary school students in Slovenia and in the local environment for several years now. Three undergraduate programmes in Mathematics, Computer Science and Bioinformatics are also conducted in English, so we are also carrying out promotional activities in these areas in the international environment (especially in the countries of the former Yugoslavia).

In the 2019/20 academic year, in cooperation with the UP Higher Education Application and Information Services, we conducted several official presentations of study programmes at secondary schools (mostly in Slovenia) and at information events organized by most Slovenian secondary schools between November and February. The presentations took place either as a fair or as classroom performances. In this case, we presented the entire study offer of the faculty, as well as only individual programmes. The presentation activities also included students from various study programmes and lecturers who lectured on the chosen topic during the school hours of the course. All subsequent presentations or performances of higher education teachers in schools have been cancelled or not organized, but there are relatively few of them, as all such activities take place mainly until the publication of the call for undergraduate studies. An information day for postgraduate studies was organized via the Internet and took place from 1 to 6 June - we presented two study programmes each day (either in Slovene or English).

Indirectly, we also presented study programmes at events that are part of activities aimed at popularizing science and natural sciences. This set includes: FAMNIT's biological evenings (from March onwards they took place at a distance) and FAMNIT's trips to the mathematical space (spring dates have been dropped). We also organized one math day for high school students. However the programme for elementary school students was cancelled, as it was planned in April, as was the Mathematics Camp - Mathematics is cool. In the spring we additionally organized lectures on psychological topics, and in September a biological camp as part of one of the cross-border projects Interreg Italy-Slovenia.

All the listed activities were very well attended, and the lectures through ZOOM reached many times the number of regular listeners. It is also important to note that they were organized in cooperation with other institutions. Especially valuable is the cooperation with schools, as in this way the faculty becomes a reference institution for educational establishments for additional – formal and informal- training of professionals in education.

Successful promotional activities will be repeated (especially participation in information events, visits to schools, etc.), and at the same time we will add new activities and measures to the promotional strategy, which will result from the ongoing evaluation of the effectiveness of promotional activities. The plan also includes the implementation of lectures, which would include certain contents from regular lectures and which would also promote specific study programmes, especially at the master's level. As part of these and other additional activities, pedagogical staff and active students will also participate in the promotion and implementation, by preparing

additional popular science lectures and relaxed conversations or personal advice to candidates for study. The educational activity at UP FAMNIT is also promoted through various, mainly student projects (On the Creative Path to Knowledge and Student Innovative Projects for Social Benefit), the purpose of which is to create content suitable for the general public.

Promotional content about the activities of the faculty will continue to be published mainly in online presentations, which include social networks (with an emphasis on Facebook and Instagram) and various websites. Internal communication with employees will take place through the website of the faculty and the university, in the newsletter Upogled.

3.2. Average number of points of accepted candidates (KUP_02)

Indicator code	KUP_02
Indicator name	AVERAGE NUMBER OF POINTS OF ACCEPTED CANDIDATES
Indicator type	Input indicator (quality)
What the indicator measures	The indicator measures the average number of points at the Matura exam and the success of accepted candidates who are enrolled on the study programme for the first time in the current academic year. It is collected for full-time and part-time undergraduate studies at the members level, for each programme separately.
Who measures it	Professional services of the member on the basis of data from the enrolment services and data from the Analysis of applications and enrolment for individual academic years
Purpose of the indicator	The indicator does NOT measure the quality of the institution (Cave et al., 1997), but the demand and reputation of the institution. This can be a reflection of the quality of the institution, the value of a professional field in the labor market.
Indicator calculation	Data are taken from the Analysis of applications and enrolment for individual academic years (Analysis is prepared by the UL ⁶ Enrolment Office), for each undergraduate study programme separately and separately for full-time and part-time studies.

The appendix for undergraduate study programmes shows data on the average number of points of accepted candidates in the academic years 2020/21 and 2019/20, namely only for candidates admitted to advertised positions for Slovenian citizens and citizens of EU Member States; only candidates who are Slovenian citizens and citizens of European Union member states are considered. The data are prepared by the Higher Education Application and Information Service of the University of Ljubljana - VPIS UL⁷ and published in the annual analysis of applications and enrolments. When interpreting the data, it is necessary to take into account the fact that not all candidates enrol on the study programmes in which they were admitted in the 1st and 2nd application period. Points are calculated according to a single criterion: 60% general matura, vocational matura or final exam and 40% success in the 3rd and 4th year.

Overview by individual programmes:

<i>Study programme</i>	<i>2020/21</i>	<i>2019/20</i>
Bioinformatics - in Slovene	63,5	63,42
Bioinformatics - in English	87	90,5
Biopsychology	78,03	79,84
Mathematics - in Slovene	83,4	75,33
Mathematics - in English	67	/
Mathematics in Economics and Finance	63	74,04
Computer Science - in Slovene	60,11	66,88
Computer Science - in English	62,25	73,17
Conservation Biology	74,25	68,45

⁶ UL – University of Ljubljana

⁷ VPIS UL – Higher Education Application and Information Service of the University of Ljubljana

Mediterranean Agriculture (higher education study programme)	84	64,74
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The data shows that the average number of points (between 3 and 6) increased in four programmes (Bioinformatics - in Slovene; Mathematics - in Slovene; Conservation Biology; Mediterranean Agriculture), decreased (between 3 and 11) in three programmes (Bioinformatics - in English; Mathematics in Economics and Finance; Computer Science - in Slovene and English). It remained approximately unchanged in two programmes (Bioinformatics - in Slovene, Biopsychology).

For the study programme Mathematics (in English) there is no data on the average number of points in 2019/20, as the accepted candidates mostly finished high school abroad (outside the EU).

We estimate that the data on the average number of points of accepted candidates are good, as comparable values are mostly maintained as in the previous year, and it is especially necessary to emphasize the increase in points. For programmes in which there has been a decrease in the average number of points, this may be related to a higher number of enrolled students. As we have already noted in indicator 1, the strategy of UP FAMNIT is to gain as many motivated students as possible and students with better results, so we strive to increase the number of students who applied with a first wish in the first application period (this will increase the average number of points). To this end, we have been intensively implementing promotional activities among high school and primary school students for several years, as well as in the local environment, especially in the field of mathematics, but also in the international environment, especially in the countries of the former Yugoslavia. Based on these activities, we have gained recognition, but we are not yet satisfied with the results, so we will continue with promotional activities in the future, and it is necessary to take into account significantly lower available financial resources from study activities.

3.3 Numerical ratio between advertised places, registered and enrolled students on to the 1st year (without repeaters) (KUP_03)

Indicator code	KUP_03
Indicator name	NUMBER RATIO BETWEEN ADVERTISED PLACES, APPLIED AND ENROLLED STUDENTS ON TO THE 1ST YEAR (WITHOUT REPEATERS)
Indicator type	Input indicator (quality)
What the indicator measures	The indicator is aggregated at the member level, as it measures the member's attitude towards the environment. It also reflects students' interest in a particular study and the member's promotional abilities.
Who measures it	Professional services of the member.
Purpose of the indicator	Long-term monitoring of enrolment and own activities (promotions, changes in programmes) at the member level. The indicator does not directly measure the quality, but the demand and reputation of the institution. The indicator shows a trend: if there is not enough interest in an individual study programme for a longer period, it is necessary to look for better promotion, a change in the content of the programme and / or a reduction in enrolment places.
Indicator calculation	The table shows the number of advertised places and the number of students enrolled on to the 1st year (without repeaters), separately for full-time and part-time studies and for each study programme separately.

Meaningfully present and analyse the data on the filling of advertised enrolment places for the second and third level (account is taken of first-time students enrolled on study programmes, separately for full-time and part-time studies).

The appendix for all study programmes for the academic years 2020/21 and 2019/20 shows data on advertised places, registered candidates and enrolled students. We would like to point out that we took into account the applications received in all application periods for different "groups" of candidates (candidates who are Slovenian

citizens and citizens of EU countries; candidates who are Slovenians without Slovenian citizenship and foreigners outside the EU).

Undergraduate study programmes:

The following is the share of enrolled students in relation to the advertised places by individual study programmes (data for the last 3 academic years are given):

<i>Study programme</i>	<i>2020/21</i>	<i>2019/20</i>	<i>2018/19</i>
Bioinformatics - in Slovene	85,19 %	37,93 %	34,48 %
Bioinformatics - in English	63,33 %	32,26 %	41,94 %
Biopsychology	100 %	87,80 %	82,93 %
Mathematics - in Slovene	24,24 %	27,78 %	22,22 %
Mathematics - in English	32 %	16,98 %	18,87 %
Mathematics in Economics and Finance	40,63 %	29,41 %	11,76 %
Computer Science - in Slovene	88 %	85,45 %	52,73 %
Computer Science - in English	74 %	90,20 %	87,10 %
Conservation Biology	83,78 %	71,79 %	33,33 %
Mediterranean Agriculture (higher education study programme)	59,26 %	79,31 %	/

In the previous academic year, only the vacancies available in the Biopsychology programme were completely filled, while in other programmes the vacancies available were lower. This year we are seeing a gradual improvement in the share in 4 programmes: Bioinformatics - in Slovene and English, Computer Science - in Slovene, Conservation Biology and Mathematics in Economics and Finance. This year, there has also been an improvement in the Mathematics programme - in English. However, the share in two programmes decreased slightly: Computer Science - in English and Mediterranean Agriculture. Mediterranean Agriculture (higher education study programme) is only being implemented for the second year and is most likely the cause. In the Mathematics - in Slovene - programme, this share remains comparable to previous years.

Master's degree:

The following is the share of enrolled students in relation to the advertised places by individual study programmes (data for the last 3 academic years are given):

<i>Study programme</i>	<i>2020/21</i>	<i>2019/20</i>	<i>2018/19</i>
Biopsychology	35,29 %	17,65 %	26,47 %
Mathematical Sciences - in Slovene	7,14 %	7,14 %	11,9 %
Mathematical Sciences - in English	<i>non enrolled</i>	15,63 %	15,63 %
Mathematics with Financial Engineering	/	2,38 %	9,52 %
Computer Science	16,67 %	23,81 %	11,9 %
Sustainable Built Environment - in Slovene	7,14 %	7,41 %	3,45 %
Sustainable Built Environment - in English	<i>non enrolled</i>	5,26 %	/
Applied Psychology	48,57 %	48,57 %	60 %
Nature Conservation	47,62 %	38,10 %	35,71 %
Data Science - in Slovene	58,82 %	23,53 %	/
Data Science - in English	<i>non enrolled</i>	11,76 %	/

The percentage of enrolled students in relation to the advertised places reaches the expected values. The data shows that the share has improved in three programmes: Biopsychology, Data Science - in Slovene and Nature Conservation. In other programmes, these values are slightly lower or remain comparable over the years.

This year, we are no longer announcing the Mathematics with Financial Engineering programme. At the same time, 2 programmes in English were offered only as part-time studies (Mathematical Sciences and Data Science). No students enrolled on these two study programmes. The Sustainable Built Environment programme was also offered only as a part-time study, and one student enrolled on the Slovenian implementation.

PhD studies:

<i>Study programme</i>	<i>2020/21</i>	<i>2019/20</i>	<i>2018/19</i>
Mathematical Sciences - in Slovene	20 %	10 %	8,33 %
Mathematical Sciences - in English	10 %	10 %	41,67 %
Computer Science - in Slovene	10 %	-	20 %
Computer Science - in English	10 %	40 %	/
Sustainable Built Environment - in Slovene	20 %	/	/
Sustainable Built Environment - in English	70 %	/	/
Computer Science - International Joint Programme	20 %	/	/

In doctoral study programmes, the percentage of students enrolled is lower than expected compared to the advertised positions. This year we started implementing 2 new programmes: Renewable Materials for Healthy Built Environments (in Slovene and English) and the international joint programme Computer Science, with the University of St. Andrew (in English only), so the data is only available for the current year.

As we have already written in the analysis to the previous indicators, the faculty has been intensively carrying out promotional activities among high school and primary school students and in the local and international environment for several years now.

3.4 Transition to a higher year (KUP_04)

Indicator code	KUP_04
Indicator name	TRANSITION TO A HIGHER YEAR
Indicator type	Process indicator (educational activities)
What the indicator measures	The indicator covers the share of all first-year full-time students (including repeaters) in the previous academic year.
Who measures it	Professional services of the member. Data must be collected separately for Undergraduate, Master's and Doctoral study programmes, and must also show full-time and part-time studies separately.
Purpose of the indicator	The indicator can identify problems in the selection process (students) or problems in the process teaching. This indicator makes sense for monitoring trends, and these can serve as a signal and basis for the members actions. The indicator is collected at the level of members and UP.
Indicator calculation	The table shows the pass rate of students for each study programme separately. First-time students and repeaters are taken into account in the number of students.

The appendix for the study programmes of the faculty (all three levels) in the academic year 2020/21 shows data on the transfer of students from the 1st to the 2nd and from the 2nd to the 3rd year.

The total transition from the 1st to the 2nd year in undergraduate study programmes decreased slightly compared to the previous academic year (2020/21: 49.25%, 2019/20: 52.02%).

Overview by individual programmes:

<i>Study programme</i>	<i>2020/21</i>	<i>2019/20</i>
Bioinformatics - in Slovene	18,75 %	0
Bioinformatics - in English	50 %	35,71 %
Biopsychology	89,74 %	79,49 %

Mathematics - in Slovene	30,77 %	50 %
Mathematics - in English	75 %	60 %
Mathematics in Economics and Finance	50 %	60 %
Computer Science - in Slovene	41,51 %	48,48 %
Computer Science - in English	38,6 %	48,72 %
Conservation Biology	32,26 %	35,71 %
Mediterranean Agriculture (higher education study programme)	62,22 %	/

Data on transitions by individual programmes show that they have improved in only three programmes (Biopsychology, Mathematics - in English, Bioinformatics - in Slovene). We rate the transition in the Mediterranean Agriculture (higher education study programme) programme as equally good; in this year 2020/21, the 2nd year of study is being carried out for the first time, so we were able to calculate the transition from the 1st to the 2nd year.

In most programmes, the transition rate is low, which is also attributed to the fact that in the 2nd semester of last the year, the study process was mostly carried out at a distance due to the Covid-19 epidemic and the measures taken. Students also had the opportunity to use an additional year, which was chosen by a significant number of students.

At the faculty, we carry out several activities aimed at encouraging students to perform their duties on a regular basis:

- Coordinators systematically monitor the performance of students on examination periods (after each examination period they review how successful students have been in performing their duties) and encourage students to regularly perform their study obligations,
- Coordinators also meet regularly with students (at least 3 meetings a year) to solve any problems,
- The faculty regulates the field of student counselling regarding studies: counselling is provided by lecturers, contractors and assistants, student tutors, study programme coordinators (who are also teacher tutors), heads of departments, vice dean for study affairs and the Student Services Office.

We assess the transition from the 2nd to the 3rd year as positive (2020/21: 62.39%; 2019/20: 57.69%), as it increased slightly compared to the previous year. We will try to further increase the transition from the 2nd to the 3rd year with appropriate measures.

In the master's study programmes, the overall pass rate has decreased slightly compared to the previous year, but is still very good (2020/21: 69.33%, 2019/20: 72.22%).

In doctoral study programmes, the overall transition from the 1st to the 2nd year has improved (2020/21: 100%, 2019/20: 88.89%), which we assess as very good. The transition from the 2nd to the 3rd year was 75% in 2020/21, which we also assess as very good.

Master's study programmes are also carefully and intentionally monitored by the programme coordinators. They follow student's successfulness in exam periods and encourage them to regularly fulfill their study obligations. At the same time they perform individual meetings with students. The doctoral study is designed individually, so that individual mentors monitor the study and research work of students.

3.5 Percentage of repeaters in study programmes (separately for each study programme) (KUP_05)

Indicator code	KUP_05
Indicator name	PERCENTAGE OF REPEATERS IN STUDY PROGRAMMES (SEPARATELY FOR EACH PROGRAMME)

Indicator type	Process indicator (educational activities)
What the indicator measures	The indicator covers the share of repeaters in study programmes in the previous academic year.
Who measures it	Professional services of the member. Data must be collected separately for Undergraduate, Master's and Doctoral study programmes, and must also show full-time and part-time studies separately.
Purpose of the indicator	The indicator measures the share of repeaters in study programmes. It gathers at the level of members and the UP.
Indicator calculation	The table shows the number and share of all students and repeaters for each study programme separately (using the data sent to the competent ministry). First-time students and repeaters are taken into account in the number of students.

The appendix shows data on the percentage of repeaters in the 2020/21 academic year for study programmes of all three levels.

The reason for the decrease and the extremely small number of repeaters this year is that students had the opportunity to use an additional year due to the Covid-19 epidemic, which was the decision of most students who would otherwise take advantage of re-enrolment or would be without the student status. By using the additional "Covid" year, students retained the possibility of using re-enrolment or enrolment on the graduate internship in the upcoming years. This is an emergency situation, so comparing data with previous years is irrelevant.

In undergraduate studies, the percentage of repeaters decreased significantly compared to the previous academic year (2020/21: 0.7%; 2019/20: 11.82%). There is one repeater in each of the two programmes: Biopsychology, Computer Science - in Slovene and English.

There are no repeaters in postgraduate master's and doctoral study programmes this year.

3.6 Continuation of studies

The appendix for study programmes of the faculty of all levels in the academic year 2020/21 shows data on the share of students who enrolled on the previous academic year 2019/20 and did not continue their studies or repeat the year in the 2020/21 academic year.

Overview by individual undergraduate programmes:

Study programme	from the 1st to the 2nd year		from the 2nd to the 3rd year	
	2020/21	2019/20	2020/21	2019/20
Bioinformatics - in Slovene	31,25 %	91,3 %	-	50
Bioinformatics - in English	they all continued their studies	50 %	16,67 %	/
Biopsychology	7,69 %	15,38 %	3,03 %	6,67
Mathematics - in Slovene	69,23 %	10 %	they all continued their studies	-
Mathematics - in English	8,33 %	30 %	14,29 %	they all continued their studies
Mathematics in Economics and Finance	20 %	40 %	they all continued their studies	20
Computer Science - in Slovene	24,53 %	39,39 %	*	45,71
Computer Science - in English	35,09 %	28,21 %	4 %	18,18
Conservation Biology	25,81 %	42,86 %	they all continued their studies	17,65
Mediterranean Agriculture (higher education study programme)	34,78 %	/	/	/

* The data shows that more students advanced when they were enrolled last year, which means that those students who paused last year also progressed.

The data shows that in most undergraduate programmes the share for progress from the 1st to the 2nd year decreased, except in 2 programmes; in the programme Mathematics - in Slovene and Computer Science - in English, where the share increased. Data on the share of students who did not progress to the 3rd year and did not re-enrol on to the 2nd year are assessed as adequate.

Overview by individual undergraduate programmes:

Study programme	from the 1st to the 2nd year	
	2020/21	2019/20
Biopsychology	33,33 %	40 %
Mathematical Sciences - in Slovene	50 %	60 %
Mathematical Sciences - in English	33,33 %	they all continued their studies
Data Science - in Slovene	25 %	/
Data Science - in English	they all continued their studies	/
Mathematics with Financial Engineering	they all continued their studies	100 %
Computer Science	7,69 %	30 %
Sustainable Built Environment - in Slovene	they all continued their studies	they all continued their studies
Sustainable Built Environment - in English	they all continued their studies	/
Applied Psychology	11,11 %	13,04 %
Nature Conservation	they all continued their studies	6,25 %

We estimate that the data on the share of students who neither progressed to the 2nd year nor did they repeat the year in the master's programme are good.

At the time of enrolment on doctoral studies, students mostly advanced to a higher year, so we estimate this share as good.

3.7 Average number of years of study per student in study programmes (KUP_06)

Indicator code	KUP_06
Indicator name	AVERAGE NUMBER OF YEARS OF STUDY PER STUDENT IN STUDY PROGRAMMES
Indicator type	Output indicator (educational activities)
What the indicator measures	The indicator measures the average duration of studies (from enrolment on to the 1st year of the programme to the end of studies in the same programme). The indicator also measures how much the length of study of graduates of an individual programme at a UP member deviates on average from the anticipated length of the study programme (= duration of study per programme). It measures the length of study in an individual programme and thus indirectly draws attention to possible problems in the course of study, compared to the average length of study in other members programmes. The indicator is useful mainly at the members level.
Who measures it	Professional services of the member. Data must be collected separately for undergraduate, master's and doctoral study programmes, and must also show full-time and part-time studies separately.
Purpose of the indicator	Average duration of studies in relation to the expected duration of studies: a UP member can compare the performance of studies at the end of an individual programme and thus

retrospectively identify those programmes where the duration is the longest (academic performance is lowest).

Indicator calculation The indicator measures the average length of the study in days and the length of the study in relation to the expected duration of the study. The average number of years of study is calculated by taking into account all graduates from a given study programme who completed their studies in a given academic year (or calendar year), using those graduates in the calculation who enrolled on to the first year (excluding those enrolled according to the transfer criteria). Calculate the number of days from 1 October of the academic year of enrolment to the date of graduation, average this and divide by the number of days in the year 365.

$$\frac{\sum \text{graduate} * \text{number of years since first enrolment on to 1st year}}{\text{number of graduates}}$$

The appendix for study programmes of the faculty of all levels in the 2019/20 academic year shows data on the average number of years of study per student.

The data shows that the average number of years of study in university study programmes has slightly increased compared to the previous two years (2019/20: 4.52, 2018/19: 3.94; 2017/18: 4.26 years), a slightly smaller number of graduates completed their studies (2019/20: 63, 2018/19: 72; 2017/18: 84 graduates).

Overview by individual programmes:

<i>Study programme</i>	<i>2019/20</i>	<i>2018/19</i>	<i>2017/18</i>
Bioinformatics - in Slovene	4,10 years (5 graduates)	5,72 years (4 graduates)	4,27 years (4 graduates)
Bioinformatics - in English	4,21 (31 graduates)	3,81 (37 graduates)	4,12 years (44 graduates)
Biopsychology	9,02 (2 graduates)	4,32 (3 graduates)	2,92 years (3 graduates)
Mathematics - in Slovene	2,76 (2 graduates)	2,96 (8 graduates)	2,92 years (3 graduates)
Mathematics - in English	2,75 (2 graduates)	4,14 (4 graduates)	5,36 years (2 graduates)
Mathematics in Economics and Finance	4,34 (7 graduates)	3,97 (8 graduates)	3,94 years (11 graduates)
Computer Science - in Slovene	2,94 (2 graduates)	/	/
Computer Science - in English	5,51 (10 graduates)	3,61 (6 graduates)	4,62 (14 graduates)
Conservation Biology	8,96 (1 graduates)	6,5 (2 graduates)	5,74 let (4 graduates)

In the master's degree programmes, the average number of years of study decreased slightly compared to previous years (2019/20: 3.30 years (34 graduates); 2018/19: 3.61 years (28 graduates); 2017/18: 3,07 years (21 graduates)).

Overview by individual programmes:

<i>Study programme</i>	<i>2019/20</i>	<i>2018/19</i>	<i>2017/18</i>
Biopsychology	there were no graduates	4,06 years (6 graduates)	3,52 years (7 graduates)
Mathematical Sciences - in Slovene	1,46 (2 graduates)	1,93 years (1 graduates)	1,94 (1 graduates)
Mathematical Sciences - In English	2,55 (2 graduates)	1,77 years (2 graduates)	/

Mathematics with Financial Engineering	there were no graduates	2,93 (3 graduates)	3,2 years (4 graduates)
Computer Science	2,61 (4 graduates)	4,42 (4 graduates)	3,91 let (1 graduate)
Sustainable Built Environment - in Slovene	2,95 (1 graduate)	/	/
Applied Psychology	2,96 (9 graduates)	2,82 (7 graduates)	1,54 (4 graduates)
Nature Conservation	4,17 (14 graduates)	4,35 (5 graduates)	3,77 let (4 graduates)

The Master's study programme Data Science (Slovenian and English) has no graduates yet.

In the case of doctoral study programmes, the average number of years of study duration for the 2019/20 academic year cannot be calculated, as there were no graduates. Data from previous academic years show that the number of years of study has increased slightly (2018/19: 4.4 (3 graduates); 2017/18: 4.82 years (2 graduates); 2016/17: 3.82 years (2 graduates)).

We estimate the average number of years of study in the undergraduate and Master's level programmes as good. So we believe that measures in this area are not yet necessary. We also believe that measures are not needed even at the Doctoral level.

3.8 Number of students per employed higher education teachers, associates and providers of study programmes in FTE (KUP_07)

Indicator code	KUP_07
Indicator name	NUMBER OF STUDENTS PER EMPLOYED HIGHER EDUCATION TEACHERS, ASSOCIATES AND PROVIDERS OF STUDY PROGRAMMES IN FTE
Indicator type	Indicator of the effectiveness of the pedagogical process
What the indicator measures	The indicator expresses the number of full-time and part-time students per individual higher education teacher and associate, according to employment or the method of cooperation with the member (employment on the basis of employment contract and all who participate in the study programme on the basis of copyright or business contracts). The calculation of the number of teachers and associates takes into account FTE (full time equivalent), which includes fixed-term and indefinite employees with full or lower workload and those who performed pedagogical work under an employment contract or copyright contract.
Who measures it	Professional services of the member.
Purpose of the indicator	The member gets an insight into the number of all students per higher education teacher and associate
Indicator calculation	Calculation of the indicator (how to measure the indicator): the table shows the number of students (excluding graduates) and the number of all teachers (separately employed in accordance with POZ ⁸ and all contractors - also under copyright and business contracts, in number and in FTE). The number of all students is divided by the number of teachers (in number and in FTE). Students without graduates are considered.

The appendix for previous years shows data on the number of students, the number of employed teachers / associates and the number of all providers (the latter also includes contract teachers / associates) and the number of students per teacher / associate or all providers. The number of employees is based as at 31st December 2019.

The data shows that this year the number of teachers / associates or all performers remained unchanged (2019/20: 140, 2018/19: 139, 2017/18: 119; 2016/17: 136), while the number of students increased. As can be

⁸ POZ - Contract of employment

seen from the data, the faculty maintains a favorable ratio between the number of teachers / associates and the number of students (number of students per teacher / associate).

For a comprehensive and more realistic assessment of the ratio between the number of teachers / associates and the number of students, comparable data for related Slovenian and foreign higher education institutions would be needed.

3.9 Evaluation of higher education teachers and associates in student surveys (KUP_08)

Indicator code	KUP_08
Indicator name	EVALUATION OF HIGHER EDUCATION TEACHERS AND ASSOCIATES IN STUDENT SURVEYS
Indicator type	Process indicator (educational activities)
What the indicator measures	The indicator shows the average results of the opinion poll and represents the satisfaction of only that part of the student population that participated in the survey. Only the part of the assessment that relates to the higher education teacher and associate and not to the subject is taken into account.
Who measures it	Member of each subject of each programme implemented.
Purpose of the indicator	Obtain "user" feedback on the pedagogical work of the teacher in an individual subject and on the satisfaction of students with it. With a balanced and appropriately structured questionnaire, which also contains questions for essay-type answers, it is possible to detect problems in the implementation of the pedagogical process, namely on the part of teachers and colleagues.
Indicator calculation	The data are presented in the form for preparing members' report on the survey.

The appendix to the self-evaluation report is an excerpt from the report on the results of the survey for the 2019/20 academic year, which the faculty must prepare in accordance with the Rules on conducting a student survey at the University of Primorska. The abstract includes data on the average results of the student opinion poll (point II / 1). The data shows the average assessment of the pedagogical work of higher education teachers and associates by individual questions from the survey, separated by levels of study. The rating scale is five-point.

The survey was conducted in the Student Information System. Students had the opportunity to complete the survey for the course no later than before the application for the next exam for a specific subject, and the general part of the survey no later than before the enrolment on to a higher year. This contributed to a high percentage of completed surveys (Level 1: 87.74%, Level 2: 91.67%, Level 3: 100%).

In undergraduate study programmes, the average grade for individual survey questions is between 4.01 and 4.88, and the average overall grade for lectures or exercises is 4.16. In the master's study programmes, the average grade for individual survey questions is comparable (between 4.15 and 4.63), and the average overall grade for lectures or exercises is 4.39.

The obtained grades show that students are satisfied with the work of teachers and colleagues. Any comments and problems of students are also identified in other ways (e.g. meetings of the coordinators with students) and are resolved on an ongoing basis.

Based on the results of the survey, heads of departments, who have access to the results of surveys for employees in the department, conduct individual interviews with contractors and discuss general results within the department, if necessary. The Dean meets with the students in November of the current academic year and discusses the survey results for the previous academic year.

The excerpt from the report is also discussed by the Student Council of the Faculty, and students also participate in the discussion of the abstract at the Faculty Senate through their representatives.

3.10 Employment and employability of graduates (KUP_09)

Indicator code	KUP_09
Indicator name	EMPLOYMENT AND EMPLOYABILITY OF GRADUATES
Indicator type	Output indicator (educational activities)
What the indicator measures	The indicator measures the employability and employment of graduates in the labor market.
Who measures it	UP Rectorate or members based on a survey of graduates
Purpose of the indicator	The member gets an insight into whether the graduates are employable in the profession for which they are training.
Indicator calculation	-

At the faculty, we conduct a survey of graduates in accordance with the Instructions on the survey of graduates of the University of Primorska. The survey is conducted every second or third academic year. In 2019, we surveyed graduates for the fourth time, and we included graduates who completed their studies in 2017 and 2018. In the following, we therefore summarize the essential findings, as already stated in the previous self-evaluation report.

In two years, 235 graduates completed their studies, and 224 graduates were included in the survey (of which 166 at the undergraduate level, 53 at the master's level and 5 at the doctoral level), as 11 graduates did not give their consent upon graduation. Graduates of the following programmes were included:

- first-cycle university study programmes: Mathematics, Computer Science, Biodiversity, Bioinformatics, Biopsychology, Mathematics in Economics and Finance, Mediterranean Agriculture;
- second-cycle master's study programmes: Mathematical Sciences, Mathematics with Financial Engineering, Computer Science, Nature Conservation, Biopsychology and Applied Psychology;
- third-cycle doctoral study programmes: Mathematical Sciences.

Almost half of the graduates completed the online survey, namely 107 (or 47.77%) of the surveyed graduates:

- 77 or 46.39% of first-cycle graduates,
- 29 or 54.72% of second-cycle graduates,
- 1 or 20% of third degree graduates.

The analysis of the received answers shows us that the majority of graduates (88.09%) are employed or self-employed (and that 33.66% of respondents have not yet sought employment). The majority of graduates found employment within 6 months of graduation (14.85%) or already during their studies (11.88%). One third of graduates stated that they were still looking for a job (33.66%).

Table 7: Sample size of surveyed graduates

Academic year of graduation	Number of graduates who completed their studies	Number of graduates included in the survey	Number of graduate respondents	Structure of graduates included in the research (%)	Structure of respondent graduates (%)
2017	112	110	46	49,11	42,99
2018	123	114	55	50,89	51,40
TOTAL	235	224	101	100	
Interrupted (non-response) *:			6		5,61
TOTAL			107		100

* Note: The non-answer of the variable means that the respondent who participated in the survey did not answer a certain question.

Table 8: Study area according to the status of UP graduates in the labor market - data are taken from the 2019 graduate survey report

Field of study (KLASIUS-P)		Employed	Self-employed	Student	Unemployed	Oother	Total
01 Educational sciences and teacher education	No.	/	/	/	/	/	/
	%	/	/	/	/	/	/
02 Arts and humanities	No.	/	/	/	/	/	/
	%	/	/	/	/	/	/
03 Social Sciences, Journalism and Information Science	No.	3	0	0	1	1	5
	%	60	/	/	20	20	100
04 Business and administrative sciences, law	No.	/	/	/	/	/	/
	%	/	/	/	/	/	/
05 Science, mathematics and statistics	No.	20	2	0	1	1	24
	%	83,33	8,33	/	4,17	4,17	100
06 Information and communication technologies (IT)	No.	7	1	1	0	0	9
	%	77,78	11,11	11,11	/	/	100
07 Engineering, production technologies and construction	No.	/	/	/		/	/
	%	/	/	/		/	/
08 Agriculture, forestry, fisheries and veterinary medicine	No.	4	0	0	0	0	4
	%	100	/	/	/	/	100
09 Health and social security	No.	/	/	/		/	/
	%	/	/	/		/	/
10 Transport, security, catering and tourism, personal services	No.	/	/	/		/	/
	%	/	/	/		/	/
TOTAL	No.	34	3	1	2	2	42
	%	80,95	7,14	2,38	4,76	4,76	100

Table 9: Status of UP graduates in the labor market by type of study programme - data are taken from the 2019 graduate survey report

Type of study programme		Employed	Self-employed	Student	Unemployed	Oother	Total
Undergraduate studies (higher education study programmes)	No.	/	/	/	/	/	/
	%	/	/	/	/	/	/
Undergraduate studies (university study programmes)	No.	17	1	1	1	0	20
	%	85	5	5	5	/	100
Master's studies	No.	16	2	0	1	2	21
	%	76,2	9,52	/	4,76	9,52	100
Doctoral studies	No.	1	/	/	/	/	1
	%	100	/	/	/	/	100
TOTAL	No.	34	3	1	2	2	42
	%	80,95	7,14	2,38	4,76	4,76	100

Graph: Structure of employed UP graduates according to the field of study (v %)

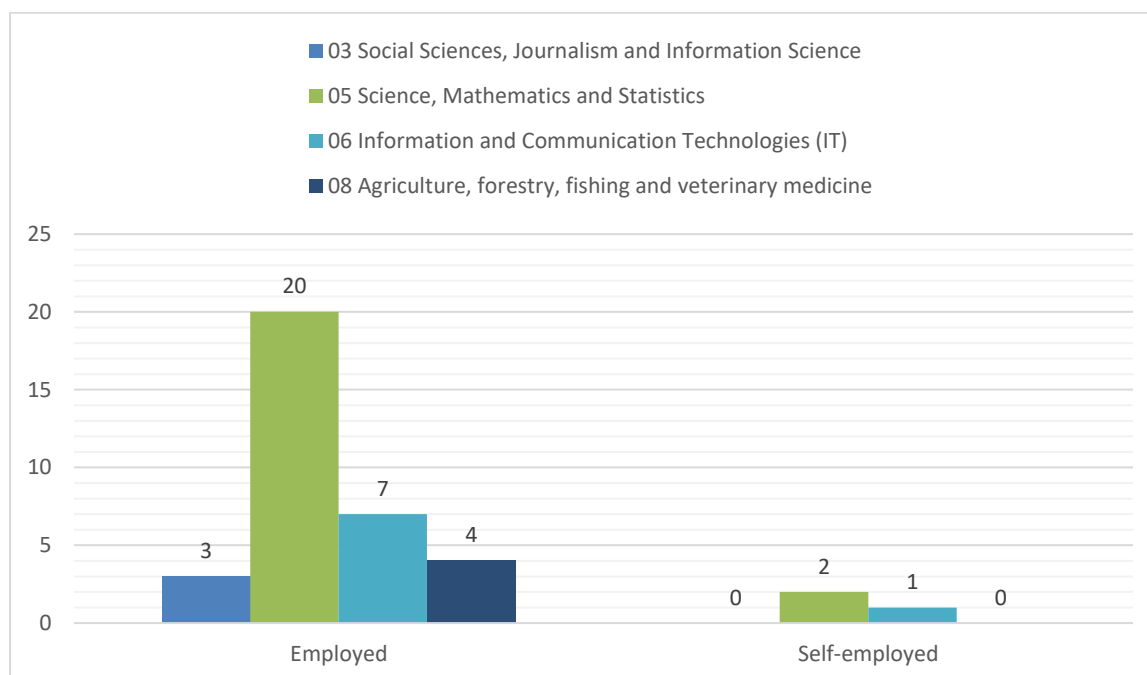


Table 10: Duration and acquisition of the first job from the end of studies according to the field of study

Field of study (KLASIUS-P)		Before the start of studies	During studies	Up to 6 months after graduation	From 6 months to 1 year after graduation	From 1 year to 2 years after	Over 2 years after graduation	still looking for a first job	Not looking for a job	Total
01 Educational sciences and teacher education	No.	/	/	/	/	/	/	/	/	/
	%	/	/	/	/	/	/	/	/	/
02 Arts and humanities	No.	/	/	/	/	/	/	/	/	/
	%	/	/	/	/	/	/	/	/	/
03 Social Sciences, Journalism and Information Science	No.	0	0	4	1	0	0	0	0	5
	%	/	/	80	20	/	/	/	/	100
04 Business and administrative sciences, law	No.	/	/	/	/	/	/	/	/	/
	%	/	/	/	/	/	/	/	/	/
05 Science, mathematics and statistics	No.	5	6	5	9	1	3	19	32	80
	%	6,25	7,5	6,25	11,25	1,25	3,75	23,75	40	100
06 Information and communication technologies (IT)	No.	1	3	5	0	0	0	0	2	11
	%	9,09	27,27	45,45	/	/	/	/	18,18	100
07 Engineering, production technologies and construction	No.	/	/	/	/	/	/	/	/	/
	%	/	/	/	/	/	/	/	/	/
08 Agriculture, forestry, fisheries and veterinary medicine	No.	0	3	1	1	0	0	0	0	5
	%	/	60	20	20	/	/	/	/	100
09 Health and social security	No.	/	/	/	/	/	/	/	/	/
	%	/	/	/	/	/	/	/	/	/
10 Transport, security, catering and tourism, personal services	No.	/	/	/	/	/	/	/	/	/
	%	/	/	/	/	/	/	/	/	/
TOTAL	No.	6	12	15	11	1	3	19	34	101
	%	5,94	11,88	14,85	10,99	0,99	2,97	18,81	33,66	100

Table 11: Coherence of employment with the achieved level of formal education of the graduate

Type of study programme		First employment			Current employment		
		YES	NO	Total	YES	NO	Total
Undergraduate studies (higher education study programmes)	No.	/	/	/	/	/	/
	%	/	/	/	/	/	/
Undergraduate studies (university study programmes)	No.	14	7	21	10	7	17
	%	66,67	33,33	100	58,82	41,18	100
Master's studies	No.	19	2	21	16	1	17
	%	90,48	9,52	100	94,12	5,88	100
Doctoral studies	No.	1	/	1	1	/	1
	%	100	/	100	100	/	100
TOTAL	No.	34	9	43	27	8	35
	%	79,07	20,93	100	77,14	22,86	100

Table 12: Coherence of employment with the professional field of the graduate

Type of study programme		First employment			Current employment		
		YES	NO	Total	YES	NO	Total
Undergraduate studies (higher education study programmes)	No.	/	/	/	/	/	/
	%	/	/	/	/	/	/
Undergraduate studies (university study programmes)	No.	15	6	21	12	5	17
	%	71,43	28,57	100	70,59	29,41	100
Master's studies	No.	16	5	21	15	2	17
	%	76,19	23,81	100	88,24	11,76	100
Doctoral studies	No.	1	/	1	1	/	1
	%	100	/	100	100	/	100
TOTAL	No.	32	11	43	28	7	35
	%	74,42	25,58	100	80	20	100

4. QUALITY ASSURANCE SYSTEM OF STUDY PROGRAMMES

The Faculty systematically and regularly monitors quality indicators in the field of education, which also includes the quality of the implementation of study programmes:

- students' performance in taking exams (after each exam period). The Office for Study and Student Affairs prepares data on passed exams by individual students and programmes after the end of the examination period and forwards the data to coordinators, who then talk to students and encourage them to regularly perform study obligations;
- Student satisfaction is monitored through a student survey (annually) and through regular meetings of study programme coordinators with students;
- employee satisfaction is monitored with a survey for employees (once a year);
- the employability of graduates is monitored by the faculty through an analysis of the employability of graduates prepared by the University for all graduates of the University of Primorska and through a survey of graduates;

The Faculty has the following support tools and activities in place to monitor and address various challenges on an ongoing basis and to guide both academic and other activities:

- a tutoring system: student and teacher tutoring;
- the area of student counselling is regulated: counselling is provided by institutions, tutors and assistants, student tutors, study programme coordinators (who are also tutor teachers), heads of departments, the Vice-Dean for Student Affairs, the Office for Students;

- communication between various stakeholders within the Faculty, enabling the Faculty to identify weaknesses and make improvements in a timely manner, on the basis of regular meetings (weekly and monthly) held at the Faculty at the following locations - at the level of the faculty management, at the level of the departments, at the level of the programmes: regular meetings of the programme coordinators with students (usually three to four meetings per year), meeting of the Dean with students to present and discuss the results of the student survey; at the level of the administration or support services of the faculty.

Discussion of results and introduction of improvements:

The self-evaluation reports of the study programmes are prepared by the coordinators and reviewed by the vice deans for quality. The reports are considered by the competent commissions (the Commission for Study and Student Affairs and the Commission for the Promotion and Monitoring of Educational Quality and Research Work), followed by the senate of the faculty.

5. IMPLEMENTATION OF ACTIONS IN THE STUDY YEAR 2019/2020 AND PLANNED ACTIONS FOR THE STUDY YEAR 2020/2021

Table 13: Realization of objectives and actions in the academic year 2019/2020

Indicator	Objective	Action	Activity	Holder (responsibility)	Implementation deadline	Realization in 2019/2020 with explanation
KUP_01	Objective no. 1: to improve the visibility of the faculty in the local, national and international space	Action no. 1: presentations of individual contents of programmes by secondary schools; Action no. 2: science popularization activities, summer schools and other workshops; Action no. 3: regular acquaintance of the media and the widest interested public with the work and achievements of the faculty	- participation in career and educational fairs / events of secondary schools; - participation in other promotional events, organization of popular lectures for the general public and lectures / trainings for individual interested public; - organization of camps and full-day workshops, summer schools and international scientific meetings (here are just a few: FAMNIT's summer camp Mathematics is cool; Doctoral School in Discrete Mathematics; Mathematics Days for Primary and Secondary Schools; Science Days for Primary and Secondary Schools; Triple i 2020)	Departments Communication Service	September 2020	<i>Partially realized</i> <i>Justification: Certain promotional activities have been cancelled due to the Covid-19 epidemic.</i>
KUP_02	Objective no. 1: gain as motivated students as possible	The actions are the same as for KUP_01	The activities are the same as for KUP_01	Departments Communication Service	September 2020	<i>Partially realized</i> <i>Justification: Certain promotional activities have been cancelled due to the Covid-19 epidemic.</i>
KUP_03	Objective no. 1: gain as motivated students as possible	The actions are the same as for KUP_01	The activities are the same as for KUP_01	Departments Communication Service	September 2020	<i>Partially realized</i>

Indicator	Objective	Action	Activity	Holder (responsibility)	Implementation deadline	Realization in 2019/2020 with explanation
						<i>Justification: Certain promotional activities have been cancelled due to the Covid-19</i>
KUP_04	Objective no. 1: as motivated students as possible for regular study obligations	Action no. 1: regular meetings of coordinators with students and ongoing problem solving Action no. 2: individual mentors monitor the study and research work of doctoral students	- meetings of heads of departments or programme coordinators with course providers - meetings of programme coordinators with students - monitoring data on completed study obligations of students	Heads of departments Programme coordinators Course performers	September 2020	<i>Realized</i> <i>Justification: All planned activities have been implemented</i>
KUP_05	Objective no. 1: as motivated students as possible for regular study obligations	The actions are the same as for KUP_04	The activities are the same as for KUP_04	Heads of departments Programme coordinators Course performers	September 2020	<i>Realized</i> <i>Justification: All planned activities have been implemented.</i>
KUP_06	Objective no. 1: as motivated students as possible for regular study obligations	The actions are the same as for KUP_04	The activities are the same as for KUP_04	Heads of departments Programme coordinators Course performers	September 2020	<i>Realized</i> <i>Justification: All planned activities have been implemented</i>
KUP_07	Objective no. 1: maintaining a favorable ratio between the number of students and higher education teachers and associates	No special actions were foreseen	No special activities were planned	Faculty management Heads of departments	September 2020	<i>No activities were planned.</i>
KUP_08	Objective no. 1: increase the percentage of completed surveys Objective no. 2: maintain good grades of higher	Action no. 1: Encouraging students to complete surveys	- Dean's meetings with students to review the results of the survey for the previous year (separately for Undergraduate and Master's studies)	The Dean Programme coordinators Course performers	September 2020	<i>Realized</i> <i>Justification: All planned activities have been implemented</i>

Indicator	Objective	Action	Activity	Holder (responsibility)	Implementation deadline	Realization in 2019/2020 with explanation
	education teachers and associates		- meetings of programme coordinators with students in order to encourage them to complete the surveys and to acquaint them with the purpose of the survey and the use of the obtained results - encouraging students to complete surveys in individual subjects - Heads of departments who have access to the results of surveys for employees in the department, conduct individual interviews with contractors and discuss general results within the department			
KUP_09	Objective no. 1: higher percentage of employment and employability of graduates; Objective no. 2: increase the percentage of completed surveys	Action no. 1: Encouraging students to complete surveys Action no. 2: regular acquaintance of the media and the widest interested public with the activities and achievements of the faculty (KUP_01)	- strengthening the work of the Faculty Alumni Club and maintaining contacts with graduates - the same as at KUP_01	Faculty management Departments	September 2020	<i>Partially realized</i> <i>Justification: Certain promotional activities have been cancelled due to the Covid-19 epidemic.</i>

Assessment of the success in achieving the set aims and actions in comparison with the achieved aims from the report of the previous year or several previous years

We believe that we have been successful in achieving the set aims and actions. Objectives and actions in the field of implementation of promotional activities (KUP_01, KUP_02, KUP_03) were partially realized, as we could not carry out certain activities due to the Covid-19 epidemic. Taking into account the situation, we carried out certain activities via the Internet. We will continue with all activities in the future. We also realized the goals and implemented the planned actions to encourage students to regularly perform their study obligations (KUP_04, KUP_05, KUP_06), but we note that it will be necessary to envisage additional actions in this area and monitor their achievement in the upcoming years. We have not planned any special actions to maintain a favorable ratio between the number of students and higher education teachers and associates (KUP_07), as we believe that the ratio is appropriate. We will continue to encourage students to complete surveys on the implementation of studies (KUP_08) and graduates to complete the survey on employment and employability (KUP_09).

Table 14: Planned actions for the academic year 2020/2021

Indicator	Objective	Action	Activity	Holder (responsibility)	Implementation deadline
KUP_01	Objective no.1: to improve the visibility of the faculty in the local, national and international space	Action no. 1: presentations of individual contents of programmes by secondary schools; Action no. 2: science popularization activities, summer schools and other workshops; Action no. 3: regular acquaintance of the media and the widest interested public with the work and achievements of the faculty Measure no. 4: better acquaintance of UP FAMNIT students with the possibility	- participation in career and educational fairs / events of secondary schools; - participation in other promotional events, organization of popular lectures for the general public and lectures / trainings for individual interested public; - organization of camps and full-day workshops, summer schools and international scientific meetings (here are just a few: FAMNIT's summer camp Mathematics is cool; Doctoral School in Discrete Mathematics; Mathematics Days for	Departments Communication Service	September 2021

Indicator	Objective	Action	Activity	Holder (responsibility)	Implementation deadline
		of continuing their studies in postgraduate programmes of the faculty	Primary and Secondary Schools; Science Days for Primary and Secondary Schools; Triple i 2019) - more frequent informing of students and through meetings of coordinators with students - in the master's programme in Mathematical Sciences, the course Financial Mathematics is also announced, thus enabling students of the undergraduate programme Mathematics in Economics and Finance to continue their studies		
KUP_02	Objective no. 1: gain as motivated students as possible	The actions are the same as for KUP_01	Aktivnosti so iste kot pri KUP_01	Departments Communications Services	September 2021
KUP_03	Objective no. 1: gain as motivated students as possible	The actions are the same as for KUP_01	Aktivnosti so iste kot pri KUP_01	Departments Communications Services	September 2021
KUP_04	Objective no. 1: as motivated students as possible for regular study obligations	Action no. 1: regular meetings of coordinators with students and ongoing problem solving Measure no. 2: individual mentors monitor the study and research work of doctoral students Actions no. 2: replacement of certain subjects during the years	- meetings of heads of departments or programme coordinators with course providers - meetings of programme coordinators with students; more frequent meetings during the Covid-19 epidemic to better support students and address potential issues	Heads of departments Programme coordinators Course performers	September 2021

Indicator	Objective	Action	Activity	Holder (responsibility)	Implementation deadline
		in the master's programme Data Science	- monitoring data on completed study obligations of students		
		Action no. 3:			
		More involvement of students of the Master's programme in Applied Psychology in different work contexts of psychology	- more systematic acquaintance of students with the aim of greater involvement in projects and research		
		Action no. 4:	- conducting workshops and interviews with work mentors in practical training		
		Improve the quality of implementation of modules in the master's programme Nature Conservation	- preparation of a proposal for the amendment of the master's programme Data Science and discussion at the bodies of the faculty and the university in order to more evenly burden students during the semesters		
			- in the master's programme Applied Psychology, several exercises and seminars are conducted in the field.		
			- in the undergraduate programme Bioinformatics, the approach to teaching in mathematics subjects is adjusted in order to increase academic performance.		
			- in the master's programme Nature Conservation there is a discussion with contractors and		

Indicator	Objective	Action	Activity	Holder (responsibility)	Implementation deadline
			students, in order to improve the quality of the modules		
KUP_05	Objective no. 1: as motivated students as possible for regular study obligations	The actions are the same as for KUP_04	The activities are the same as for KUP_04	Heads of departments Programme coordinators Course performers	September 2021
KUP_06	Objective no. 1: students who are as motivated as possible to complete their study obligations and complete their studies	The actions are the same as for KUP_04 -Encouraging students to complete their studies	The activities are the same as for KUP_04 -examination of students who lack a small number of obligations to complete their studies and informing these students through the Office or mentors in the final work, where it is already in preparation	Heads of departments Programme coordinators Course performers	September 2021
KUP_07	Objective no. 1: maintaining a favorable ratio between the number of students and higher education teachers and associates	No special actions were foreseen	No special activities were planned	Faculty management Heads of departments	September 2021
KUP_08	Objective no. 1: increase the percentage of completed surveys Objective no. 2: maintain good grades of higher	Action no. 1: Encouraging students to complete surveys	- Dean's meetings with students to review the results of the survey for the past year - meetings of programme coordinators with students in order to	The Dean Programme coordinators Course performers	September 2021

Indicator	Objective	Action	Activity	Holder (responsibility)	Implementation deadline
	education teachers and associates		encourage them to complete the surveys and to acquaint them with the purpose of the survey and the use of the obtained results - encouraging students to complete surveys in individual subjects - Heads of departments who have access to the results of surveys for employees in the department, conduct individual interviews with contractors and discuss general results within the department		
KUP_09	Objective no. 1: higher percentage of employment and employability of graduates; Objective no. 2: increase the percentage of completed surveys	Action no. 1: Encouraging students to complete surveys Action no. 2: regular acquaintance of the media and the widest interested public with the activities and achievements of the faculty (KUP_01)	- strengthening the work of the Faculty Alumni Club and maintaining contacts with graduates - as with KUP_01 - Encouraging undergraduate students of the Bioinformatics programme to do internships to gain practical experience and establish contacts with potential employers.	Faculty management All departments	September 2021

The following people participated in the preparation of the report (in alphabetical order):

Dean, Heads of Departments, Human Resources, Secretary, Study Programme Coordinators, Study and Student Affairs Service, Vice-Deans for Quality and Vice-Deans for Study Affairs

Izr. prof. dr. Ademir Hujdurović, l. r.,
Dean of UP FAMNIT

Attachment:

- Printout of the decision of the 22nd regular session of the UP FAMNIT Senate of 1st March 2021;
- Excerpt from the report on the results of the survey for the academic year 2019/20 (KUP_08);
- Indicators for the field of educational activities in the academic year 2020/21 and 2019/20.