



UNIVERSITY OF PRISHTINA
“HASAN PRISHTINA

FACULTY OF CIVIL ENGINEERING
CONSTRUCTION MSc 2021/2022 – 2023/2024



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SELF EVALUATION REPORT REACCREDITATION OF THE STUDY PROGRAMS

STUDY PROGRAM: CONSTRUCTION MSc. (2021/2022 – 2023/2024)

STUDY PROGRAM: HIDROTECHNICS MSc. (2021/2022 – 2023/2024)

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FACULTY OF CIVIL ENGINEERING

MSc STUDY PROGRAMS:
CONSTRUCTION

RE-ACCREDITATION

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1. INTRODUCTION

1.1. A brief overview of the Institution

The Faculty of Civil Engineering is an academic unit of the University of Prishtina. University of Prishtina is a public institution of higher education, which organizes and develops university studies, advanced scientific and professional work. The main role of the modern academic unit for a democratic society, is to provide excellence in professional education by pursuing contemporary scientific developments in the relevant field of studies.

2. MISSION AND OBJECTIVES OFFERED BY STUDY PROGRAMS

The FCE mission is to provide professional staff for the market of civil engineering and architecture.

The mission of FCE is in line with the University of Prishtina mission for the development of academic activities, research, scientific work and to create professional staff of higher education for the labor market for the fields of civil engineering in accordance with strategic and developmental interests. of the country.

Teaching and research are main activities of this academic unit. The activity is characterized by the interaction between teaching and research activity. Leading towards the achievement of desired learning outcomes, teaching should not be distinguished from the scientific research part.

Within the ongoing activities developed at the FCE, the main focus is on below listed orientations and achievements:

- teaching - learning, which at the same time represent one of two main activities,
- continuous scientific research in the service of the society and country as a whole,
- professionals compatible with market requirements,
- development of activities required according to the market demands,
- development of patent research by the academic staff.

The purpose of the FCE is to have a leading role in the development of education, science, society and the economy, as well as to create and support the highest standards in teaching and learning, without leaving aside the scientific research. The FCE seeks to fit into the European standards and to be fully integrated into the European Higher Education Area according to the Bologna Declaration.

The FCE vision is to create, develop, protect and transmit knowledge through teaching and research work, as well as provide opportunities for all residents of Kosovo, who would benefit from this education throughout their lifelong experience, without any constrains.

In addition, the university level studies within academic units, are able to prepare students to easily adapt to the basic positions at the labour market. At the same time, the university level creates good premises for continuing further studies at higher levels, through easily transferable knowledge in related disciplines.

The Faculty of Civil Engineering organizes study programs at BSc and MSc levels, while currently no Doctoral programs are available. The FCE Study Programs are classified at Departments and Levels as in the following:

- Construction (BSc), and (MSc)
- Hydrotechnics (BSc) and (MSc)
- Geodesy (BSc), (MSc), and
- Environmental Engineering (BSc)

The study programs Construction, Hydrotechnics, Geodesy and Environmental Engineering, generally consist of the group of general subjects, subjects of professional formative character, integrative, professional, complementary subjects and the work of the Master's degree thesis which is based in the application of acquired knowledge and in preliminary research.

The total credits foreseen for the completion of the Bachelor Program in the Departments: Construction, Hydrotechnics, Geodesy and Environmental Engineering is the acquisition of 180 ECTS credits, including the diploma thesis, in a minimum duration of 3 years (6 semesters). The total of the foreseen credits of the Master in: Geodesy, Construction and Hydrotechnics, is the acquisition of 120 ECTS credits, including Master's degree thesis, for a duration of 2 years (4 semesters).

- **Leadership, Management, academic and administrative staff**

University of Prishtina has the Statute [A1] which includes academic units as an integral part. The Statute is a relevant document to assist academic units, defines collegial bodies starting from the Steering Council, Senate, other functional committees, management staff and central administration. FCE uses all these descriptions to organize and develop academic activities, design and development of study programs, teaching and learning, focusing on the student.

The Dean of the Faculty of Civil Engineering, according to the UP Statute is the leader who creates a collegial, collaborative and study environment that serves the common interests of students, professors, managerial and administrative staff. The Dean duties of the HEI are also described in the relevant documents of the central level of the UP, (<https://uni-pr.edu/desk/inc/media/126A0EED-0A53-48A7-8E56-5875EE868FAC.pdf>) [A6]. HEI, respectively FCE has established a stable management structure. Two members are elected from the academic staff with a regular employment contract in the capacity of vice-dean. Vice-deans have separate and well-defined tasks. One of the vice-deans is responsible for the areas of teaching and learning, organizational issues with students and organizational issues of the academic unit while the other vice-dean is responsible for the financial issues and infrastructure of the institution. Based on the UP Statute, the Dean organizes the departments. The departments take responsibilities from the Dean in accordance to the relevant documents of UP and the FCE.

Within the FCE there are Departments which correspond to the respective fields of study by special study programs at the level of Bachelor and Master of Science. The FCE Departments, are <https://fna.uni-pr.edu/Departamentet.aspx>:

- Department of Constructions,
- Department of Hydrotechnics,
- Department of Geodesy, and
- Department of Environmental Engineering

The operation of the departments, in the vertical line, means the participation of the academic staff in decision-making through the Council of the academic unit, respectively the Dean of the faculty. For the competencies of the FCE from UP, decisions are taken in the Faculty Council, respectively by the Dean of the Faculty.

The UP administration is centralized and provides services to all academic units on many issues, as for instance in: finances, services for students (diplomas, etc.), contracts of academic and administrative staff. The Faculty Administration has limited executive competences and for the Faculty of Civil Engineering it consists of the Secretary, as the highest profile and responsible for the administration at academic unit level, for the student services, the IT-staff, the economist, the protocol service, the asset manager and the laboratory technicians.

- **Students, relevant contextual areas of the institution activity**

The Faculty of Civil Engineering offers BSc study programs in various fields of study (Construction, Hydrotechnics, Geodesy and Environmental Engineering), in conformity with the UP Statute and according to the NQF National Qualifications Framework (https://akkks.rks-gov.net/uploads/korniza_kombetare_e_kualifikimeve_2020.pdf), is dedicated to candidates from the Republic of Kosovo who have completed secondary education according to MEST for secondary education framework and the candidates from other countries according to approved quotas <https://uni-pr.edu/desk/inc/media/AEE5CABB-5CD7-4418-9489-03949385902A.pdf>. For the enrollment of new students in the basic study programs in FCE, the competition is announced by UP specifying all the criteria and quotas <https://uni-pr.edu/desk/inc/media/308524D5-4D04-418C-B904-A574F890E195.pdf>. After the competition announcement, FCE organizes the admission exams according to the imposed criteria. The assessment process includes evaluation of the faculty entrance exam, the success from the high school and the Matura exam. The ranking is announced by FCE on the website of the faculty as well as hard copy in dedicated spaces of the faculty.

HEI organizes study programs also at Master of Science levels from the same fields of study programs as in BSc (Construction, Hydrotechnics and Geodesy). The study programs are dedicated to students who have completed basic studies and who have reached the number of credits of 180 ECTS from BSc studies in the respective fields. For the enrollment of new students in the Master of Science study programs, a public competition is also announced by the University of Prishtina, where all the criteria and quotas are specified. After the competition announcement, FCE organizes the admission exams according to the imposed criteria. The assessment process includes and evaluates the admission exam and the success from the level of basic studies. The ranking is announced by FCE on the website of the faculty as well as a hard copy in dedicated spaces of the faculty.

The Faculty of Civil Engineering has the main role in teaching and learning, where the student is always in the focus. The excellence in teaching is achieved through research work carried out by the academic staff of the HEI. The engagement of academic staff in the specific research fields is present not only in the country, but also abroad, giving scientific contributions to scientific conferences with scientific papers published in the world's most prestigious journals in the relevant field. FCE collaborations with educational institutions in the country and abroad are an inspiration for the management and academic staff, also the institutional and academic contributions for the needs of the labor market are evident and are counted as a common event of the Institution.

The FCE academic staff makes valuable contributions to the various services required by Faculty such as the preparation of Study Program Evaluation Report, the preparation of various reports and investigations for the faculty requirements. Hence, the management of the FCE jointly with the academic staff and the administration are engaged not only in the teaching process, but also in enhancing the performance of teaching, learning, scientific research and other services necessary for the Institution.

- Teaching, learning and curricula

UP provides bachelor's, master's and doctoral studies, according to the Bologna system through academic units. Although the Republic of Kosovo is not yet formally participating in the Bologna Process, UP is one of the first institutions of higher education in the region to start reforms under this Process. Implementation of reforms began in the academic year 2002/2003 and is still ongoing. UP is committed to achieving the objectives set out in the Bologna Declaration and the communiqués of Prague, Bergen, Berlin and London, and aims to be integrated into the European Higher Education Area. The University is of key importance as a public provider of higher education in Kosovo society, community and economy.

Indeed, the FCE is continuously active with their scope as an integral part of UP to achieve clearly defined general goals.

The mission of UP "for the development of academic education, scientific research, artistic creativity, professional consultancy" is accompanied by a set of 8 detailed objectives, which clearly affect the ambition of UP to become the Leading University in Kosovo, to be active in society, establish and maintain the highest standards in teaching, learning and research, as well to be fully integrated into the European Higher Education Area as an internationally recognized university. The Faculty of Civil Engineering, being part of the UP and its participation in academic activities, acts evidently by defining its primary goals for maximum achievement in teaching.

The organization of teaching is the main pillar of the Institution around which the developments of other scientific and research activities are supported in order to achieve the general and specific objectives of the study program.

The teaching mechanisms that are applied in the Institution are contemporary, counting the young pedagogues who reflect creativity during the teaching, the great professional experience

of the pedagogical staff of the institution as well as the scientific degrees which provide satisfactory results in the understanding of scientific phenomena.

The teaching methods and techniques that are applied are various, among which "one-directional teaching " (from lecturer to student) encouraging the student to participate directly in active learning. These teaching methodologies put the pedagogue in the primary role not only of the professor but also of the moderator. The teaching staff is always prepared with modern teaching methodologies, by offering them the opportunity to participate in various permanent trainings organized at the University level <https://uni-pr.edu/page.aspx?id=1,78>.

Depending on the chosen form of teaching, the organization of teaching is determined, whether it will be lectures, numerical exercises, practical field training or even laboratory exercises. Academic staff is free to choose the most appropriate methodology to develop and organize the course. Special importance is given to the subjects which foresee practical field visits as well as laboratory exercises by demonstrating practical examples from reality.

An important feature of the Institution is continuous monitoring and control of teaching and teachers during the development of the study program. This monitoring is followed by the evaluation of all teachers engaged in the student-evaluated study program [A52]. The highest quality of learning is achieved through teaching assessment instruments.

Each subject has its basic literature according to the syllabus that consists of obligatory and optional literature which the Student can easily find it or the teacher provides them in advance

Curricula of study programs for both basic and master studies have a substantive concept based on the basic principles of the formation of the study program, starting from the formation of the group of general information subjects, then the group of theoretical scientific subjects and finally the group of professional specific subjects of from which the special competencies of students emerge after graduation.

2 STUDY PROGRAM EVALUATION

2.1. A brief overview of the program under evaluation: Master of Constructions (MSc)

Market research and understanding of current needs are determinants of professional development requirements in the fields of Civil Engineering, the FCE provides professional staff of relevant fields who can serve the demands of the labor market. This is not only possible with genuine studies by receiving feedback from companies, institutions which have a request for this type of profile but also based on the University Mission that defines the priority areas where the academic unit carries out its activity.

The study program in the Master of Science in Constructions, aims to positively transform society by making an important contribution by influencing public policies, it is involved through expertise of the staff and students in a series of reforms by influencing the content of time and higher education reform.

This study program is an integral part of the implementation of the mission that the institution has, and has the objectives for the education of engineers based on the latest scientific achievements in civil engineering field, and at the same time adding more specific competences for students through general knowledges related to interdisciplinarity and complexities of construction fields, which require synergy with many other related disciplines.

The program offers students the opportunity to adapt to technological change and make them compete both domestically and internationally. Engineers are a central figure and responsible for the design, construction and operation of a wide range of infrastructure projects. The market itself and the crisis that has involved it at the moment is a very complex challenge for finding new and effective solutions, both in an economic context and in the social, technological and environmental context. This program aims to provide students with the appropriate technical and construction process management skills to effectively contribute to this environment and prepare students for their careers as engineers but also as future researchers.

Based on the goals and objectives of the National Science Program of Evolutionary and Innovative Economics which prove that the development of society and the economy, depend to a large extent, on the capacity to acquire and production of new knowledge, to which can be managed and transformed to meet the collective and technological needs of the economy, society and social factors. Access to scientific and technological knowledge is considered as an important factor of the country's development for the attraction of new industries and services.

The study program offered by the FCE, for the level of Master studies (MSc) from the Construction department, involves advanced studies in the field of structures, related to the needs of the market economy and create opportunities for further deepening the knowledge for further studies at higher levels such as PhD.

Moreover, updating and development of the study program for structures will be supported by the demands and needs of the labor market not only at the national level but also abroad, at

the level of Europe and beyond, therefore the updating of the program is based in many Higher Education Institutions at regional and European level.

This program aims to provide students with the appropriate management skills for technical and construction process to effectively contribute to this environment and prepare students for their careers as engineers but also as future researchers. The FCE organizes study programs in other engineering fields such as studies in Hydrotechnics, Geodesy, in two levels and Environmental Engineering at BSc level, therefore this study program for structures at best fulfills the spectrum of technical fields of these programs.

The master study program of Constructions is organized in two years of study, respectively in four semesters with 30 ECTS credits for each semester. The offered courses and modules mostly cover the fields of civil engineering, enabling students to make a profile in the field of construction, both theoretically and practically. The sustainability of the study program lies and is based on local and European relevance in terms of the field of construction, construction development, advanced construction technology, rationalization of the workforce during construction and materials, labor market requirements, continuity in higher level studies and others.

The subjects and modules of the study program for constructions are designed in convergence "*from the simplest to the most complex*", with cohesion between themselves. At the end of the studies, with the diploma work, the student acquires not only professional competencies which prepare the student for the job market, but also the general competencies necessary for his life.

Compatibility with European Universities enables the students to attend lectures and modules in English language, which is a one of the goals of the FCE.

For the study programs namely, the Bachelor BSc and Master of Science MSc levels, their content respectively the curricula are based on the Universities of the region and Europe which are credible and have achievements, long tradition of organizing studies and study programs, and nevertheless are based in the Bologna system. As a basis for comparability of programs are taken: University of Zagreb - Faculty of Civil Engineering, University of Ljubljana - Faculty of Civil Engineering, Architecture and Geodesy, ITU (Technical University of Istanbul) Turkey; KTH (Royal Technical University Stockholm) Sweden; VGTU (Vilnius Gediminius Technical University) Lithuania; Aristotelian University Thessaloniki, Greece; University of West Hungary.

In addition, the FCE has coordination and cooperation with regional and international universities, such as: Cyril and Methodius University Skopje - Faculty of Civil Engineering, Polytechnic University of Tirana - Faculty of Civil Engineering; Faculty of Architecture and Urbanism, Tirana; Faculty of Civil Engineering Leipzig Germany; Faculty of Civil Engineering Liege, Belgium; Polytechnic of Milan, Italy; Faculty of Civil Engineering Maribor, Slovenia; Anhalt University of Applied Sciences. These Universities are ready to offer and exchange experiences in many aspects such as learning processes, by providing opportunities for studies at different levels as well as other aspects of professional fields. In this framework, exchanges of experiences were realized by the Academic Staff of these

faculties in the FCE, through participation in lectures or in other forms. Undoubtedly, the cooperation of the FCE with the Faculty of Architecture is in very extraordinary relations from all fields, academic staff, administration, students, study programs, etc.

Upon completion of this level of study the student accumulates 120 ECTS, and in addition to the labor market the same have the opportunity to continue doctoral studies in the same fields of construction as well in other related study programs based on learning outcomes from basic and MSc level studies.

2.2. LATEST RECORDED EVOLUTION AND DEVELOPMENT, SINCE PREVIOUS EVALUATION

Our academic unit, at the time when this assessment is done, was organized with several departments, one of these was also the Architecture. From 2019, the decision-making institutions supporting the proposal of the academic unit have established the Faculty of Architecture. From 2019 until today, our academic unit is presented as the Faculty of Civil Engineering with four departments. In the following, the documents that are basis for establishment of internal Assessment Report are based on the nomenclature of the FCEA, that has been operational until 2019, while in latest documents is the nomenclature of the FCE.

In the last report of external experts for the evaluation of study programs in MSc in Construction and MSc in Hydrotechnics realized on 05 June 2017 are given recommendations for improvement of quality. The recommendations given and the institutional efforts to complete them are listed below:

- 1. In the field for academic staff, experts have recommended that UP should clarify the system of professional advancement (e.g. from assistant professor to associate professor, etc.). They also recommended that the ideal case would be for all teachers to be doctors of science.
Teaching staff should continue publishing in international journals indexed in Thomson and Reuters and Scopus databases.*

Statute of the University of Prishtina, articles 182 to 184 [A1], explain the system of advancement of academic staff from Assistant Professor, Associate Professor to Full Professor. The academic staff from the last re-accreditation has been advanced with scientific and academic degrees. At the UP level there are also regulations for the promotion of academic staff [A20 and A21]. Three of the staff of pedagogues-assistants have received doctorates, as well as academic advancements.

Academic staff of the FCE have made significant progress in this regard during the accreditation period (2017-2020). Undoubtedly, in the year 2020 the appearance of the natural phenomenon - infection with Covid-19 has affected the fields of science in many of the fields in the world and has been reflected in our country and in our Institution. The FCE as a unit of UP, in addition regular academic staff can benefit from financial support based on the regulation for financing scientific research activity [A38].

- 2. In the field of resources, capacity building, infrastructure, continuation of the FCE reconstruction, capacity building of the Library with texts, books, electronic libraries, etc.*

During the period 2017 until today, many investments have been made on improvement of the Faculty premises and creating the possibility on organizing a more qualitative teaching. A considerable investment is done on improvement of the Faculty premises, respectively the part of Geodesy and Environmental Engineering (Laboratory premises). Also worth mentioning is the investment in the Laboratories of Geomechanics, Materials, Hydrotechnics, Geodesy and Environmental Engineering [A41, A42, A43, A44]. These are capital investments which improve the quality of teaching and learning significantly. The three academic units which operate with their academic activity within the building of the "Teknikut", for the next three years have planned budgets for the increasing the capacity of the building, respectively the library of the faculty, increasing teaching spaces and the possibility of developing social life of students [A49].

The FCE permanently insists on increasing the number of books, brochures and enrichment of the Faculty Library. These are projects which are foreseen in the draft budget for the years 2021-2023. The FCE also plans to raise awareness among potential donors in order to increase students' access to e-libraries from the technical sciences fund.

In the study programs for MSc in Construction, the professors in charge for the course are 100% permanent staff with regular contract, while in the MSc in Hydrotechnics program out of 7 course lecturers 6 are full-time while one is external (course distribution tables for special programs).

- 3. In the field of students, the low rate of graduating students in the Hydrotechnics department whis required to be increased to meet the standard.*

Students in MSc degree program, are generally highly on demand in the job market. This may be the reason why they do not graduate because they are placed in the labor market. In the student services there are students who have formalized the projects for the diploma topics [according to the evidence there are 120 students] and are waiting until their graduation. Administrative procedures - for their graduation are simplified by the regulation at the level of UP [A8 dhe A10].

The new curriculum includes subjects that promote the application of software such as:

- The application of GIS in water management, before it has been elective now it will be a compulsory course,
- Groundwater dynamics is added as a new course
- Hydraulics modeling as well is added as a new course.

- 4. Insufficiency of budget for the academic unit*

The framework of the Draft Financial Budget for the years 2021 -2023 [A55] is approved by the University Senate and the Steering Council of UP. The FCE has made the request for an icreaced budget for capital investments in order to increase the space of our academic unit as

well as their level of quality [A50]. The FCE has many projects that would significantly improve teaching and learning.

5. *Research and institutional internationalization of the FCE*

The academic institution insists on increasing international cooperation. Given the global effects of the pandemic the FCE actions have been also affected in the last year. There are currently some agreements that the FCE has with local and international institutions as well as UP agreements which help academic units for their internationalization. The FCE mission is to be as open as possible with international and regional cooperation. Initiatives are not lacking and collaborations are expected to be increased next year (potentially cooperation with RUHR Bohum Unirersity, Rose School of Padova, etc.)

4. INSTITUTIONAL EVALUATION OF STUDY PROGRAMS

4.1. Studyprogram: Master of Science (MSc) in Construction

Name of the Institution	University of Prishtina “Hasan Prishtina”
Faculty/Department	Faculty of Civil Engineering
Main and/or Branch Campus:	Main Campus
Specify the Branch you are applying for:	NA
Name of the Study Programme:	Program of Construction
Person in charge for the study programme:	Prof.Dr. Naser KABASHI
Accreditation/Reaccreditation:	Re-accreditation
Level of qualification according to NQF:	Level VII
Academic degree or the name of diploma:	Master of Science in Construction
ECTS:	120
Profile of the academic program (specialization):	Construction
Erasmus Subject Area Codes (ESAC):	06.04 (Civil Engineering)
Form of studies:	Full time
Minimum duration of studies:	2 years
Number of study places:	40
Permanent scientific/artistic personnel for the Study Programme (at least 3 PhD):	<ol style="list-style-type: none"> 1. Prof.Dr. Naser Kabashi 2. Prof.Dr. Abdullah Zejnullahu 3. Prof.asoc.Dr.Misin Misini 4. Prof.asoc.Dr. Fatos Pllana 5. Prof.ass.Dr. Florim Grajcevc 6. Prof.ass.Dr. Hajdar Sadiku 7. Prof.ass.Dr. Cene Krasniqi 8. Prof.ass.Dr. Qani Kadiri 9. Prof.ass.Dr. Ragip Hadri 10. Prof.ass.Dr. Esat Gashi 11. Prof.ass.Dr. Arton Dautaj 12. Dr.sc. Milot Muhaxheri 13. Dr.sc. Zijadin Guri

4.1.1. Mission, objectives and administration

The mission of the Faculty is in full compliance with the mission of the University which aims to develop academic education, scientific research, professional counseling, artistic creativity etc. While the mission of the Master study program in Construction study is to prepare students professionally as Construction Engineers in the profile of Structures with the potential to be integrated into a multidisciplinary work context in both the private and public employment sectors.

Civil engineers are a central figure and responsible for the design, build and operation of a wide range of infrastructure projects. The study programme MSc in Construction aims to provide students with the appropriate technical and process management skills effectively to contribute to this field and prepare students for their careers as engineers and as future researchers.

This study program is a continuation of the basic program achieved at the BSc level in the field of Civil Engineering. The program is oriented towards teaching, continuous scientific research and providing a designed approach to meet the main time-determining goals.

The purpose of the Study Program is to prepare students professionally as Civil Engineers in the profile of Structures with the possibility of integration in a multi-disciplinary work context in both the private and public employment sector. This second cycle study program can be considered as a continuation of the first cycle studies of those programs which provide training with a broad range in the civil engineering field.

The program offers students the opportunity to adapt to the technological changes and being competitive both domestically and internationally. Engineers by profession are a central figure and are responsible for the design, construction and operation of a wide range of Structural projects as well as in the Infrastructure. The current crisis that has gripped the markets only in the country but also beyond, poses a very complex challenge to find new and effective solutions, both in an economic, social, technological and environmental context.

This program aims to provide students with the right technical skills to design and analyze of the Modern Structures and to manage construction process effectively in order to contribute to this environment and prepare students for their careers as engineers but also as future researchers.

The purpose of hiring the civil engineer in the labor market goes beyond the task of simple structural design and project implementation, but it is necessary to take a key role in the early stages of architectural design, as well as cooperation and coordination with all other processes such as machinery, electricity, Hydrotechnics, etc. In order for such a thing to become a reality, the engineer must possess competencies in planning, organizing, supervising and coordinating the necessary actors and elements in the construction process. To make this possible, an education based on a wide and comprehensive range of knowledge is needed, not only in scientific and technological fields but also in other fields. The program offers students the opportunity to adapt to the technological changes and make them compete both domestically and internationally.

The study program for MSc in Construction is offered to students who have completed the BSc in Construction level. Construction MSc studies last for 2 years and provide 120 ECTS and this level of Studies is in line with the Qualifications Framework in the European Higher Education Area, which is the second cycle and usually ends with a Master's degree. According to the National Education Qualifications Framework, the study program offered is of Level 7.

Performance indicators for the results of the study program for MSc in Construction are the values derived from the results during the studies by students that are hired in the labor market as well as the continuation of tertiary studies for PhD according to the National Qualifications Framework. The didactic concept defined by the Faculty of Civil Engineering (FCE) for the MSc in Construction study program is based on basic didactic concepts such as lectures and numerical exercises, laboratory and field exercises, supported by seminars. This concept is clear to the academic staff involved in the study program and beyond. Exercises are done within groups of students. The syllabi of the program subjects prove the development of teaching in

the didactic pillars by being individual and creating the whole program with very current didactic and research concepts.

The priority of the FCE is the constant care for the formal policies to ensuring the high quality of the academic offer always in parallel with the university, taking care for all the requirements posed by students, for the progress, as well as for the permanent improvement and updating of the academic offer for students. The statute and the regulations at the University level, as well as at the Faculty level are the applicable legal documentation on which the work of the Faculty of Civil Engineering is organized. More precisely, attached is the list of references that reflect the documentation for the work and support the activity of the HEI. Some of these documents are:

- UP Statue, [A1]
- Guidelines for Quality Assurance at the University of Prishtina, [A34]
- Regulation for basic BSc studies and Master studies at University level for all academic units [A7, A8]
- Regulation on job systematization for the administration of the Faculty of Civil Engineering and Architecture
- Code of ethics [A4]
- Regulation on disciplinary cases
- Regulation on the work of the FCE Institute
- Regulation on Doctoral Studies at UP

As a supporting legal or normative act are:

- Administrative Instruction – Principles of recognition of university degrees obtained outside the Republic of Kosovo
- Administrative Instruction - Application of student fees at the University of Prishtina
- Administrative Instruction - Implementation of ECTS in Higher Education in Kosovo.

Each of the above-mentioned documents are public and accessible on the digital platform of the University and the Faculty, as well some of the evidences are attached to this report.

The teaching process which takes place in the study program for MSc in Construction and not only, has common indicators, the advanced of pedagogical norms applied by the academic staff that are in accordance with the requirements of national teaching norms and standards. As well the students' evaluations for the program subjects are in focus and take place during the semester and the performance indicators are seen in each syllabus of the subject from the study program.

The courses and modules of the study program at best make the profile of the civil engineer, enabling students to specialize in construction, design, management, etc.

In summary, the objectives of the study program can be listed as in the following:

- To equip students with basic and advanced knowledge for the analysis, understanding and solution of engineering problems in the field of construction.

- To prepare students with effective access to specific and practical environment in the field of construction.
- To gain knowledge and skills for employment in the labor market.
- To inform students about standards, construction norms as well as issues of professional ethics, social impacts that constructions may have.
- Provide to the local market and beyond, staff who can be in the role of leader in technical solutions in the field of civil engineering.
- Provide solutions to current problems in civil engineering.

This study program provides the opportunity to enter the labor market in the private and public sector. The engineering profession has been and will continue to be important to support the needs of society by reflecting sustainability, practicality and financial effects. Employment sectors can be grouped into:

- In private sector could be design studio, supervision, construction management.
- In public sector could be central or even local levels.
- Non governmental organizations
- International institutions such as: EUOK, EBRD, UNDP etc..

The curriculum is designed in accordance with these objectives keeping in mind the range of necessary knowledge that enables the employment of graduate students. The HEI at the central level has approved the strategic development plan for the period 2020-2022 (<https://www.uni-pr.edu/inc/doc/PLANI-STRATEGJIK1.pdf>) [A3], where the institutional actions are specified. This strategic plan contains the objectives and goals for achieving the advancement at the competitive position through the provision of quality services. An integral part of the strategic plan of UP is the Faculty of Civil Engineering with the same identified priorities as in the University strategy and are as follows:

Increasing the quality of education and research - Development and implementation of a new competitive model in teaching, research and services at UP (FCE) to achieve the goal of ranking among the 1000 best institutions in the world in the world ranking until 2027.

Promotion of scientific research - To support our research mission by increasing institutional funding and research spending with a projected percentage of the UP budget, to provide investments targeted by the most advanced research and creative work. UP for the needs of academic units has drafted the regulation for financial support of research [A38].

Program Development and Sustainability - Based on the demands of the market and global competition, this will require to follow the trends in job development and requirements, as well as a process to measure the sustainability of current and future programs at the Faculty in new technologies, new and existing buildings on campus, as well as the use of the library, collections and access to them.

Diversity as a process - Implementation of new strategies for increasing and improving diversity; foster a supportive and inclusive climate for all. To serve Kosovo, our community and our graduates - Expand the field program for communities in Kosovo; increase

opportunities for lifelong learning, lifelong learning and distance learning. Globalization and internationalization of academic programs and student services of UP Faculties to promote maximum exchange and permitting competencies across borders.

The strategic plan of the HEI [A3] is based on the action plan for the period defined in the Strategic Plan.

The management of the FCE together with all its structure is determined in the development of the strategy of the University by taking measurable actions related to all the points defined in the Strategic Plan 2020-2022 [A3].

Being an integral part of UP, the Faculty of Civil Engineering has the organizational scheme according to the Statute and functional regulations to fulfill the mission, vision and institutional goals.

The Faculty has the management staff which is led by the Dean (elected by the Faculty Council, and approved by the UP Senate) and is responsible for the Faculty. The FCE has the Vice Dean for Teaching and Student Affairs and the Vice Dean for Financial Affairs and Infrastructure as a managerial part of the Faculty. The duties of the Dean are specified according to the statute [A1] and regulations [A6]. The department is led by the teaching staff who reports to the Dean and takes tasks from the Dean, it is usually responsible for drafting various analyzes at the department level, advancing teaching, developing teaching in study programs and more. Each study program has a Program Holder and / or coordinator who is responsible for drafting self-assessment reports.

Within the Faculty there are collegial bodies: The Faculty Council which is chaired by the Dean and attended by vice deans, professors (professors and assistants) with regular contracts, student representatives from the student parliament and representatives from the Faculty Administration, Departments where they meet academic staff that are members of the department.

At the Faculty level, there are relevant commissions to regulate different areas for the functioning of HEIs, respectively the needs of students, academic staff and administration, such as the Committee for Science and Learning [A16], the Disciplinary Committee, the Ethics Committee, etc. led by academic staff. The University of Prishtina has 14 academic units, and the system of functioning of academic units is centralized for many issues.

For the proper functioning of the Faculty and study programs, the administration has an important role. At the central level of the University there is an administration which also serves the academic units, while at the level of the academic units there is an administration which is managed by the secretary. The secretariat is at the service of students and study programs by providing responsible and quality administrative services.

SWOT analysis of mission, objectives and administration:

A. Strengths:

- Mission of the program is preparation of professional staff with extended competencies.
- Study program based on market demands.
- More precisely, among others, from subjects and modules the study program objective is achieved in order to provide professionals prepared for the labor market.
- The study program provides sufficient inclusiveness and competence for students of basic level construction studies.
- The objectives of the construction study program are in line with the mission and objectives of the Institution.

B. Weaknesses:

- No weaknesses are noticed for the mission, vision and goals of the HEI.

C. Opportunities:

- Increase administration services for students.
- Decentralization of competencies to another level of Academic.
- Increasing the level of scientific research and applications/participations in international projects

D. Challenges:

- Creation of a management / administrative core for designing scientific and professional research projects at local, regional and global levels in the fields of civil engineering.
- Establishment, provision of funds for adequate infrastructure and laboratory equipment.
- Creation of new jobs for professors, assistants and / or administrative staff.
- Increasing the academic independence of the HEI
- Increasing the academic performance for the realization of the objectives from the strategic plan.
- The managerial difficulties of the Institution taking into account the limited competencies of the academic units.
- Establishment of working groups for application in International Projects: ERSMUS +; HERAS, HORIZON 2020, etc.

4.1.2. Quality management

The management, consisting of the Dean and the vice-deans, manages the Faculty of Civil Engineering through departments and with the assistance of the administration. The collegial bodies of the Faculty are the FCE council which consists of the vast majority of academic staff, administration and students. The Faculty Council discusses, organizes and makes decisions on various academic / teaching, administrative and student issues. The council of the academic unit consists of regular academic staff (professor and assistant), administration and two students. The FCE Council takes the decisions to form commissions for organizing the admission of new students, respectively appoints the coordinator of the HEI for the development of study programs, drafting reports for internal self-evaluation of the curriculum of the Faculty [A11, A12, A13, A14]. The FCE Coordinator for the development of curricula or study programs communicates on a regular basis with the management of HEIs as well with the Office for Academic Development at the University level, program providers, academic staff and other responsibilities related to study programs [A15]. The internal self-assessment report is made public at the collegial levels of the HEI before it is finalized, and is supported by the management staff of the Faculty.

The internal self-evaluation report for the study programs is realized from the commitment of the program holder and other academic staff for the accredited period of the program as well as within the academic year. Usually at the beginning of the academic year each of the academic staff can submit a written request to the vice dean of FCE for teaching regarding the needs of eventual changes which for the entire study program should be at levels <20%. Usually the changes are small, in the content of the syllabi. While in some cases when it is required to change the semester for any of the courses it was realized at the level of the Faculty council.

Eventual changes are made in order to improve the curriculum of the study program.

The University of Prishtina has drafted the strategic plan 2020-2022 (<https://www.uni-pr.edu/inc/doc/PLANI-STRATEGJIK1.pdf>) [A3], for drafting the quality standard for higher education in Southern Europe. This document specifies the "eight Strategic areas" which contain:

- Teaching, research and service,
- Accreditation and quality control,
- Level / programs required by the market,
- Human resource development,
- Information system development,
- Fiscal account and improvement of financial information
- Infrastructure development,
- Globalization / Internationalization,

The academic units, respectively the Faculties have common objectives as the central level, to achieve the standards in the same pillars defined by the central level of the University, completing the work in special conditions as in the case of Covid 19.

The electronic platform "SEMS" (electronic study management system) operates at the central level and in academic units. This platform ensures that:

- The program for monitoring the teaching and the presence of students in the lesson through the built electronic network, creating uncensored direct database which ensures the progress of teaching by teachers and on the other hand ensures quality in progress and monitoring.
- Management of students, respectively exams with responsibility and guaranteed data quality.
- Publication of materials and literature by professors for subjects and teaching modules.

The Electronic Student Management System (SEMS) is built for the entire UP, respectively for all academic units and has a regulation which defines the operation of the SEMS [A25].

Monitoring and evaluation of teaching are a fundamental factor in the implementation of the strategy and aim to measure the progress achieved. The results of the measurements are discussed and analyzed periodically at the level of the Faculty council.

The objectives of the Strategy for quality increase are: continuous monitoring of the management of the institution; continuous monitoring of course programs, their implementation, review, updating; continuous monitoring of the quality level of the academic and support staff, as well as their qualification; continuous monitoring of the teaching process and student assessment and maintaining its quality; continuous monitoring of the progress of scientific research in the institution; following the progress of the cooperation of the University/Faculty with other academic, scientific and non-academic institutions at local and international level; and monitoring the level of student involvement in the day-to-day activities of the institution.

Quality mechanisms at the University level; In order to control the quality of academic and administrative activities, the UP Senate has approved three types of quality evaluation instruments: questionnaires for academic staff, questionnaires for administrative staff and questionnaires for students [A52].

In addition to these quality questionnaires, in accordance with the UP Statute, student assessment for teaching and learning for specific subjects is organized on a semester basis through anonymous lecture questionnaires and this is coordinated by the deans of faculties (or vice deans for teaching) in collaboration with heads of departments at the initiative of the Vice Rector for Quality Development. Student evaluation of the teacher is also done on the SEMS platform [A52].

The function of the electronic platform SEMS at the University level is indicative of the performance of Student record security, management of assessment reports and management of teaching.

The quality of research activities of the UP academic staff is measured through publications in international peer-reviewed scientific journals and participation in national and international scientific conferences. Based on the number of papers in international peer-reviewed journals, the academic staff is also promoted. Data are collected from the faculties on student performance such as: percentage of passing exams, organization of colloquia, duration of studies, etc. The approval for the accreditation of study programs by the UP Senate is also considered a routine mechanism, where each new study program must pass to the faculty structures and then obtain the consent of the Senate.

Data from the SEMS system provides summary information from student assessments of subjects and professors [A52]. Also, at the Faculty level is established the Advisory Board where representatives from local and international companies participate and contribute to the effects of staff results and market needs.

The drafting of the internal evaluation report for the re-accreditation of the study program for MSc in Construction is based on the quality reports for the transition periods from the time of the preliminary accreditation of the program where the subject is: name of the courses, course holders and their status.

The titles of the courses in this report are based on the notions and meanings of study programs in the region and in Europe.

Student status is determined by the volume of the program. The study program of the second cycle MSc in Construction at the FCE is organized with a duration of 2 years and 120 ECTS, where each academic year is divided into two semesters.

- 1 academic year has: 30 weeks in teaching
- 1 semester has 15 weeks in teaching
- 1 ECTS has 25 teaching hours and student work
- 1 teaching hour has 45' minutes

The engagement, respectively the load with the average distribution of the Student on a weekly basis at the Faculty in the teaching process for the MSc in Constructions study program from this year and the previous years are:

- lectures 12-13 hours of lecture and 12-13 hours of independent student work
- exercises 8-10 hours in class and 13-15 hours of independent student work
- laboratory exercises 4-6 hour at laboratory and 6 hours of independent student work
- practice 2 hours internship and 25 hours of independent student work

In the following are the Table 4.1.1, are presented the achievements of students, graduates in the MSc in Construction study program for previous years (from the last accreditation of the program until the time of preparation of this self-assessment report)

Table 4.1.1. Student graduation results in academic years.

Study program MSc in Construction, by years	Results		
	Female	Male	Total
01/10/2016 - 30/09/2017	1	2	3

01/10/2017 - 30/09/2018	3	12	15
01/10/2018 - 30/09/2019	2	12	14
01/10/2019 - 30/09/2020	3	9	12

It is important to note that in the FCE administration, project proposals for thesis at MSc study level for the three study programs (Construction, Hydrotechnics and Geodesy) there are 120 theses approved by the Faculty Council, and students are in the process of graduation.

The basis of studies in the FCE are found in the fields of technical sciences, for the first time the study programs were related to the school. The Higher Technical School in Prishtina started its activity on October 20, 1961. This school had three directions: Construction, Electrical Engineering and Machinery. From this time has emerged the history of the study program in Construction, respectively of study programs in the field of structures. From time to time the Construction study program has been developed and comparing the last accredited curriculum with the previous ones the changes are significant in many directions.

In the Table 4.1.2, in the following are the presented the periods of accreditation of various FCE programs.

Table 4.1.2. Overview of programs accredited and re-accredited at the FCE level.

Study Programme	Accreditation I	Re-accreditation II	Re-accreditation III	Re-accreditation IV
Construction (BSc)	2009 - 2011	2012 - 2015	2016 - 2019	2019-2020*
Hydrothechnics (BSc)	2009 - 2011	2012 - 2015	2016 - 2019	2019-2020*
Geodesy (BSc)	2009 - 2011	2012 - 2015	2016 - 2019	2019-2020*
Environmental Engineering (BSc)	2015 - 2018	2019-2022		
Construction (MSc)	2009 - 2011	2012 - 2013	2014 - 2017	2017-2020
Hydrotechnics (MSc)	2009 - 2011	2012 - 2013	2014 - 2017	2017-2020
Geodesy (MSc)	2015 - 2018	2019-2022		
Road Infrastructure (MSc)	2012 - 2013	2014 - 2017		

*In the Table 4.1.2, *sign: refers to the continuation of accreditation according to the decision [A39]*

This internal self-assessment report also takes into account the effects of change needs and updates of the most essential elements of the program, such as didactic teaching methods (taking into account the certification of academic staff at the University level), updated syllabi, student workload, quality system etc.

The load from student obligations for the MSc in Construction study program is assessed and applied based on the 120 ECTS final credits the student receives after graduation. The achievement of student competences within two years of study is well defined and has a much-studied year after year.

After completing their studies, a significant part of graduate students find placement in the labor market (in the private sector such as; design studios, construction sites, production departments, etc., or in public institutions, municipalities, public enterprises, Ministries, etc.), some of them continue their studies in doctoral programs at universities abroad.

SWOT quality management analysis

A. Strengths:

- Management and monitoring of teaching quality and monitoring of learning process.
- Monitoring the quality and safety of student services.
- Quick, guaranteed and quality services for both Teacher and Student.
- Transparency of achievement at the academic unit level.
- Administration services for the needs of a satisfactory academic unit.
- Linking the completion of Master level studies with the requirements of the time

B. Weaknesses:

- There is no weakness for quality management at the HEI level.

E. Opportunities:

- Increasing continuous monitoring / monitoring of teaching, attendance at lessons / lectures / student exercises.
- Decentralization of administration services to student services.

C. Challenges:

- Recruitment/advancement of academic staff.
- The electronic service should be further improved.

4.1.3. Academic staff, hiring processes and professional development.

Academic staff and academic leaders perform teaching, research, development and quality assurance services at the Faculty of Civil Engineering, student counseling, student support, and administrative teaching assignments.

In the context of the employment contract procedure, each member of the administrative staff and academic staff follows a procedure which is regulated by the status of UP [A1] as well as regulations at the Institutional level [A20, A21, A22]. The academic unit, respectively the Faculty, submits the request to the UP Senate for the needs of the academic and administrative staff before the beginning of the academic year. Upon approval of the request by the Senate, the procedures are established in accordance with the Status of UP [A1] and regulations [A20, A21, A22] until the finalization of the contract [A32, A33, A34]. Competitions for full-time academic staff, respectively competitions for academic advancement are organized up to the level of UP, respectively the Senate. The procedures are described in the Regulation related to the appointment, reappointment and promotion of academic staff UP 2019 [A20]. According to the regulations, the academic unit carries out the evaluation reports based on meritocracy and standards set according to the statute of UP [A1], the same are approved by the council of the academic unit and are processed until their final approval by the UP Senate. After approval, the employment contract is signed [A31]. Short-term staff is categorized into staff within the academic units of UP and staff engaged according to the competition for engagement. In the administrative procedures of UP the categories of academic staff are distinguished according to the engagement forms, such as:

Form F1, regular academic staff

Form F2, academic staff within UP and

Form F3, academic staff engaged (by competition).

For the category of engaged academic staff (F3), a periodic employment contract is issued depending on the need of the study program respectively the Institution. These contracts have a duration of up to one academic year [A32]. Retired academic staff (age 65 to 70) are also included in this category.

Through a qualified teaching, administrative and support staff of the courses offered at the FCE, specifically in the MSc in Construction study program, the FCE aims to continuously improve and guarantee very high quality in teaching and research / scientific research. Academic staff remains the main factor in guaranteeing the quality of teaching and the knowledge transfer to students.

The main objective of the MSc in Construction study program is to prepare students professionally as Civil Engineers in the fields of Structures with the possibility of integration in a multi-disciplinary work context in both the private and public employment sector.

To achieve this important objective, the staff engaged in the MSc in Construction program is constantly updated with the latest updates in the field of construction.

The University of Prishtina has established the Center for Teaching Excellence (CTE) in order to provide services for training, qualitative development and professional refinement of

University staff in the field of teaching and learning. Based on official data <https://uni-pr.edu/page.aspx?id=2,78> within a short period of 2019 over 70 academic staff and collaborators of UP were certified for reformed contemporary teaching at the University. Most of the academic staff involved in MSc in Construction study program are certified by the UP CTE <https://www.uni-pr.edu/page.aspx?id=1,4,566>. These trainings have reflected very positively in the improvement of this report, taking into account the compilation of syllabi in a very accurate and substantial way, teaching and learning methods, etc.

Currently, there are 20 regular academic staff engaged according to the MSc in Construction curriculum [A48]. The course holders are 11 with Dr.Sc degrees, 2 assistants with Dr.Sc degrees, and there are 7 assistants with MSc degrees and all are PhD candidates registered in institutions abroad. There is no external academic staff for the MSc in Construction study program, with the exception of [A26]. All subjects of the program are covered with scientific degrees Dr. Sc and academic titles, Professor, Associate Professor and Assistant Professor.

The diploma thesis has predefined professor and it is the right of students to choose the field of study respectively the diploma pre-project with one of the professors from the study program. Still and an obstacle remains the issue of the professor's workload for the diploma thesis and practical work which is not considered as a workload for the academic staff. After completing the MSc diploma thesis, the student receives 30 ECTS and at the level of UP there is the regulation of Master studies which specifies the procedures of the diploma thesis. The FCE has established the method and procedures [A8, A10] with the forms [A51] which are part of the procedures for the realization of the diploma thesis.

Assessment of the academic staff, subject, teaching, teaching methodology, literature, etc. is done by students independently and uncensored in the electronic version on the SEMS platform. Databases of files about pedagogues' evaluations are created [A52], then the administration is also evaluated. Assessments are accessible from the Rectorate of UP and periodically these reports are submitted to the Dean of the academic unit.

As common strategies for improvement, respectively implementation of quality assurance measures is considered:

- updating the syllabi, meaning the lecture units will be presented in detail, the aim of the course, the expected learning outcomes, the teaching methods, the assessment methods, the etiquette rules as well as the basic and additional literature are presented in detail.
- Introduction to students with syllabi and short programs by each lecturer in the first hour of the course.
- Course syllabi are public on the faculty website [https://fna.uni-pr.edu/Shpallje-dhe-rezultate-\(1\)/Master/Syllabuset/Konstruktiv.aspx](https://fna.uni-pr.edu/Shpallje-dhe-rezultate-(1)/Master/Syllabuset/Konstruktiv.aspx)
- drafting short programs for all subjects.
- compiling and submitting reports on student passing of exams for each developed exam deadline.

- Questionnaires for the general situation completed by the academic, administrative staff and students on the occasion of the institutional evaluation.
- Student workload calculation form.

This ensures the increase of the degree of work transparency between academic staff and students.

According with state-level labor law, the retirement of regular academic staff is determined when the employee reaches the age of 65 years. Practices of the FCE respectively UP, if the academic unit deems it necessary then the retired staff can be hired on a contract basis as external staff up to the age of 70 and with a reduced rate (maximum 5 academic hours, or two courses learning) [A31, A32, A33].

SWOT analysis for academic staff, employment processes and professional development:

A. Strengths:

- Qualified professional teachers.
- Inclusion of academic staff for program subjects.
- Teachers trained in teaching methods as well as student assessment practices in the context of learning.

B. Weaknesses:

- No weaknesses are noticed regarding the academic staff, employment processes and professional development.

C. Opportunities:

- The market has sufficient potential of professionals in the field of Construction engineering.
- The growth of the labor market and the opening of borders ensures a good placement of the established professional framework.
- Increase in performance for specific areas according to the demand of internal and external market

D. Challenges:

- Upgrading academic staff.
- Providing institutional - financial support for the academic development and research activity of the teaching staff.

4.1.4. Content of the educational process

The objective of the Program of Study is to define the approach so as to guarantee advanced training and specialized competences by imparting deeper theoretical and practical knowledge in the field of Structures, as well as to enable students to carry out independent scientific research through the provision of knowledge, methods and techniques of scientific research.

The organization and development of teaching is a process that is followed, monitored and monitored very carefully for both performance and quality. The teaching methods and techniques applied and used for the first cycle programs are varied.

In addition to the well-known forms of one-way teaching (from teacher to student), these methods tend towards forms of learning with the active participation of students and structuring their ideas with the joint teacher-student contribution. According to these methods, the teacher is in the classroom, not only as a lecturer, but also as a facilitator to transfer the knowledge and stimulation of new ideas by students.

Upon completion of the MSc in Construction level program of study, the student gains knowledge by applying them as academic competencies:

- Access to levels of society, possible with a generally established culture.
- Working in groups, easily perceptible and acceptable.
- General field skills, communication, reading, analysis.
- Access to various projects, moderated, with the possibility of professional discussion.

The study program MSc in Construction, is in line with the Qualifications Framework in the European Higher Education Area which specifies that the 2nd Cycle of studies contains (60–120) ECTS credits - usually ends with the Master Degree (Professional Master 60 ECTS, while the Master of Science 120 ECTS).

As well, with the National Qualifications Framework of the state of Kosovo, the MSc in Construction study program belongs to the second level of studies with 120 ECTS conducted in 2 years of study (with 4 semesters).

The function of the chosen form of teaching also determines the organization of teaching, whether it be in classroom, in laboratories or in the field.

Academic staff are free to choose the most appropriate method to develop and organize the subject. But in the MSc in Construction study program, being a very applicable course, for Structural Engineering subjects it is recommended to use teaching methods and forms that include applicable field practices, laboratories, visits, observations, etc.

Apart from the theoretical side of each subject / module, all subjects / modules also contain practice as a key element in knowledge acquisition.

The MSc in Construction study program contains 6 compulsory courses (total 33 ECTS, respectively 27.5%), elective courses have content and wide scientific and professional fields from which the student must choose according to semesters (minimum for elective courses that the student must elect are distributed in semesters. The diploma thesis in the MSc in Construction study program weighs 30 ECTS (25%) and is compulsory for each student. Administrative procedures for thesis proposal, approval and graduation are defined by regulations [A8, A10]. The diploma thesis is independent, contains independent studies-research, in some cases with experiments depending on the fields of study. Diploma theses are transparent to all interested parties. The student is obliged to sign the declaration for plagiarism before starting the diploma thesis. The diploma thesis is considered completed after the public defense and the final evaluation of the thesis by the members of the commission determined by the Faculty council.

After completing the studies in the MSc in Construction study program the student obtains the diploma with 120 ECTS with the degree of Master of Civil Engineering - Construction study program.

Organization of courses and modules in the study program Table 4.1.3 for MSc in Construction is designed with courses that provide the general and basic training necessary for the Structural engineer profile and make up 15% of the weight of credits from the study program courses. The group of courses that are characteristic for the Structural engineer and very professional profile make up 20%, while the rest of the program consists of Integrated, Elective courses and Diploma thesis. Elective courses consist up to 47.5% of the total courses, and through these courses the student chooses the courses which would offer competencies in certain professional and scientific fields at the same time will be decisive in the project proposal and diploma thesis.

Table 4.1.3. Organization of courses by categories.

Discipline / Field	Formative activity	ECTS		
		ECTS	total	%
General formation	Technical English Language I	optional	possible	
	Technical English Language II	optional		
	Technical English Language III	optional		
	Project Management	3	9	7.5
	Construction Management	6		
Characteristic, Professional	Concrete Structures	6	24	20
	Dynamics of Structures	6		
	Metallic Structures	6		
	Bridges	6		
Integrated	Mathematical Methods in Engineering	6	possible	7.5
	Scientific Research Methodology	3		
Elective Theory of Science for Structures	Finite Element Methods	3	possible	50
	Plates and Shell	6		
	Glued Laminated Wood Structure	6		
	Nonlinear Analysis of the Structures	3		

	Theory of Plasticity	3		
	Structural Stability.	3		
	Fundamentals of Earthquake Engineering	6		
	Examinations of Structures	6		
	Rheological properties of concrete	3		
Elective Applied Science in Structures	Prestressed Concrete	6		
	Prefabricated Elements of R/C	3		
	Lightweight metallic constructions	3		
	Repairing Existing Structures	6		
	Design of metallic bridges	6		
	Masonry Structures	6		
	Polymer and Bituminous Materials	3		
	Special foundations	3		
	Design of RC Structures	6		
	Design of Concrete Bridges	6		
Additional	Construction Economics	6	6	5
Diploma thesis	Diploma Work	30	30	25

After completion of the level MSc in Construction studies program, the student is mandated to perform competencies such as:

- Designs special constructions of buildings structural systems from materials of steel, concrete and wood constructions.
- Manages construction sites with larger capacities of individual buildings and complexes of buildings.
- Revises structural projects of different categories, such as residential buildings, commercial buildings, bridges, as well as more special constructions.
- Supervises and controls the construction of buildings and their structures, as well as other non-structural elements.
- Analyzes and determines the capacities of existing facilities and structures.
- Analysis and designs the rehabilitation of structures of different groupings of structures.
- Analyzes the use of construction materials in the construction of buildings
- Investigates and seeks the solution of scientific problems in the field of constructions, materials and repairs of structures.
- Determines and solves problems in the field of constructions and their parts by applying theoretical as well as practical knowledge based on construction experiments.
- Assists on improvement of the construction in accordance with the requirements set by the Standards.

Table 4.1.4. Program overview, MSc in Construction curriculum

Year I						
Semester I			Hours/Week			
Nr.	C/E	Course	L	E*	ECTS	Professor
1	C	Concrete Structures	2	2	6	Prof.ass.dr. Kadri Morina
2	C	Metallic Structures	2	3	6	Prof.ass.Dr. Arton Dautaj ass.Mr.sc. Ali Muriqi
3	C	Project Management	2	0	3	Prof.ass.dr. Esat Gashi

4	E	Mathematical Methods in Engineering	2	2	6	Prof.dr.Abdullah Zejnullahu
5	E	Finite Element Methods	2	1	3	Prof.asoc.dr. Misin Misini
6	E	Polymer and Bituminous Materials	2	1	3	Prof.dr. Naser Kabashi
7	E	Scientific Research Methodology	2	1	3	Prof.ass.dr. Ragip Hadri
8	E	Glued Laminated Wood Structure	2	2	6	Prof.ass.dr. Florim Grajcevc
9	E	Plates and Shell	2	2	6	Prof.ass.dr. Hajdar Sadiku
10	E	Technical English Language I	2	0	fakultative	Ardita Ibishi, Lektore
Semester II			Hourse/Week			
Nr.	C/E	Course	L	E*	ECTS	Professor
1	C	Dynamics of Structures	3	2	6	Prof.asoc.dr. Misin Misini
2	C	Bridges	3	0	6	Prof.ass.dr. Cene Krasniqi
3	C	Construction Management	2	2	6	Prof.ass.dr. Esat Gashi
4	E	Prestressed Concrete	2	2	6	Prof.ass.dr. Kadri Morina
5	E	Prefabricated Elements of R/C	2	1	3	Prof.ass.dr. Kadri Morina
6	E	Theory of Plasticity	2	1	3	Prof.asoc.dr. Misin Misini
7	E	Lightweight metallic constructions	2	2	3	Prof.ass.Dr. Arton Dautaj ass.Mr.sc. Ali Muriqi
8	E	Nonlinear Analysis of the Structures	2	1	3	Prof.ass.dr. Ragip Hadri
9	E	Structural Stability	2	1	3	Prof.asoc.dr. Fatos Pllana
10	E	Technical English Language II	2	0	optional	Ardita Ibishi, Lecturer
Year II						
Semester III			Hours/Week			
Nr.	C/E	Course	L	E*	ECTS	Professor
1	E	Design of RC Structures	2	3	6	Prof.ass.dr. Kadri Morina
2	E	Construction Economics	2	2	6	Prof.ass.dr. Esat Gashi
3	E	Fundamentals of Earthquake Engineering	2	2	6	Prof.asoc.dr. Misin Misini
4	E	Examinations of Structures	2	2	6	Prof.dr. Naser Kabashi
5	E	Repairing Existing Structures	2	2	6	Prof.dr. Naser Kabashi
6	E	Design of metallic bridges	1	3	6	Prof.ass.Dr. Arton Dautaj ass.Mr.sc. Ali Muriqi
7	E	Masonry Structures	2	2	6	Prof.ass.dr. Florim Grajcevc
8	E	Special foundations	2	1	3	Prof.ass.dr. Qani Kadiri
9	E	Rheological properties of concrete	2	0	3	Prof.ass.dr. Hajdar Sadiku
10	E	Design of Concrete Bridges	2	3	6	Prof.ass.dr. Cene Krasniqi
11	E	Technical English Language III	2	0	Optional	Ardita Ibishi, Lektore
Semester IV						
Nr.	C/E	Course	L	E*	ECTS	Professor
1	C	Diploma work			30	

(E*) Practical or laboratory exercises organized in groups according to the UP Statute and Regulations in force (ref: Regulation 2/486 of 11/09/2019, Section 16 - point 2, table No. 7 and Section 17 - item 2, table No.10)

Workload distribution versions for courses with 3 or 6 ECTS refer to the group of formative-professional subjects.

According to the UP Statute [A1], for every single 1 ECTS 25-30 study hours are calculated. An example of student workload calculations that reflect how 3 ECTS are assigned to a subject is shown in the table below.

Table 4.1.5. Example of Student Workload Determination

Activity	Hours	Day/Week	Total
Lectures	2	15	30
Theory/ Lab Work/Exercises	1	15	15
Practical work	6	2	12
Preparation for intermediate test			
Contacts with professors/ consulting	1	2	2
Field Work	2	1	2
Test, Seminar Work			
Home work	1	8	8
Individual Work (in library or at home)			
Preparation for the final exam			
Evaluation Time (tests, quizzes, final exam)			
Projects, Presentations	1	8	8
Total			77

As a common practice it is compared the MSc in Construction study program with other study programs in the region and Europe. The MSc in Construction study program is similar to the study programs in the countries of the region such as: Albania, Macedonia, Croatia etc. While other European Universities may be mentioned: University of Bohum, Germany, TU Wien. At a percentage rate of 80% the MSc in Construction study program resembles the study program of the University of Zagreb: <https://www.grad.unizg.hr/programi/gradevinarstvo>.

SWOT analysis of the content of the teaching process:

A. Strengths:

- Interdisciplinary study
- Study program consisting of courses which are assembled in groups that form the basis of the structural engineer and other courses that complement the professional profile.
- Corresponding course with modern curricula in structural engineering.
- Course content program that enables UP students to be competitive with students from Regional Universities and International Universities.

B. Weaknesses:

- No weaknesses are noticed in terms of the learning process.

C. Opportunities

- Capacity building of construction laboratories - Construction laboratory.
-

- Capacity development of Materials and Structures laboratories
- Flexibility to incorporate new ideas and concepts into the curriculum that emerge from the assessment process (ongoing).
- Utilization of collaborations between the FCE and public institutions, organizations and other Faculties within UP for the use of laboratories.
- Mobility of academic staff and students in International Universities in the field of structural engineering.

D. Challenges:

- Adapting the study curricula
- Liaison with local and regional companies in terms of applying the knowledge achieved by the staff

4.1.5. Students

Students are the most integral part of our University, namely the Faculty of Civil Engineering. Part of the FC mission will be "Student in the spotlight" and they are the focus of all our academic, scientific research activity. This study program brings out generation after generation of graduates who are placed in the labor market both domestically and abroad at an extremely satisfactory level, while some of them continue their doctoral studies in institutions abroad.

The purpose of the MSc in Construction Study Program is to prepare students professionally as Civil Engineers with the opportunity to integrate into a multidisciplinary work context in both the private and public employment sector. This second cycle study program aims to prepare experts for the labor market in the country and Europe.

In general, some of the objectives for students can be listed as follows:

- To train students in knowledge of scientific engineering concepts, knowledge and practices and to develop an ability to evaluate and interpret engineering problems.
- Provide students with basic and specialized knowledge in analyzing, understanding and solving engineering problems related to structures.
- To prepare students with theoretical aspects not only in the technical field but also in management and economics.
- To gain knowledge and skills for employment in the public and private sector related to construction.
- Apply acquired knowledge, principles - professional rules to further professional life and academic education.
- To be able to evaluate and critique professional-based arguments, to suggest substantive concepts in decision-making and to contribute to solving complex problems in a professional manner.

At the University level there is a generalized regulation for MSc level studies which assists the academic units for organizing and studies of this level [A8, A10]. Within this regulation are defined, among others, the competencies of students, their duties, etc.

The management of the regular attendance of the teaching process and the fulfillment of other obligations foreseen within the MSc in Construction study program, the course assigned by the program curriculum is confirmed at the end of the semester in the electronic system for student management (SEMS).

Student tasks are:

- The student should follow the teaching process (lectures, seminars, lab exercises, etc.) according to the schedules and plans established, based on the Regulations of Studies and other acts of the Faculty. Attendance criteria of at least 75% is a prerequisite.
- To know in detail the rules of the faculty and its obligations and to be aware of their implementation.
-

- To comply with all the rules deriving from the Statute of the University [A1], from the Regulation for studies of MSc level [A8, A10] and from any other legal and sub-legal act for Higher Education.
- To fulfill all the obligations set out in the syllabus and study program.
- To be held responsible for any violations of the Faculty rules from his/her side, the material damage he/she has caused.
- To respect the ethics of appearance in accordance with the academic character of the Faculty or the University.
- Maintain and respect the ethics of conduct with academic staff, non-academic staff, service staff, with other students, in the Premises of the Faculty, in classrooms, in teaching practices and in any other activity organized by the Faculty or the University.
- To maintain and respect the inviolability of the class and the teacher in the classroom.

The student who succeeds in completing all the examinations foreseen in the program curriculum and diploma and accumulates at least 120 ECTS receives the title of Master of Science in Construction, Department of Construction, FCE.

The diploma thesis in the MSc in Construction study program is worked individually by the student, proving that the theoretical and experimental skills achieved during the study can be successfully applied to recognize some complex research problems in certain scientific fields of construction. It is the regulation of studies [A8, A10] which also defines the diploma thesis procedure. The student must be declared for plagiarism during the diploma thesis.

There is a student admission procedure for the MSc in Construction study program and it is organized by the Faculty in a standard way respecting the conditions of the competition.

In the Master of Science studies in Construction are eligible to apply all those who have completed the basic studies in the BSc in Construction study programs and from these studies demonstrates the achievement of 180 ECTS credits. The number of new students for the MSc in Construction study program, the admission criteria respectively the registration, the dynamics of the process, the entrance exam, the announcement of the preliminary result, the complaints and the announcement of the final result are determined in detail by the public competition announced by UP Senate <https://uni-pr.edu/desk/inc/media/AEE5CABB-5CD7-4418-9489-03949385902A.pdf>.

Student admission procedures begin from the level of the University Senate to the academic unit. The Senate decides to announce the competition for admission of students in academic units. The number of students in the study programs is proposed by the Faculty itself and is usually approved by the same in the Senate (there may be exceptions). The competition specifies the minimum requirements and evaluation criteria for each academic unit, respectively the study program.

The student admission exam is organized by the Faculty. The faculty council forms commissions for drafting exams, commissions for verification of documentation, commissions for evaluating exams. At the highest level of organization is the central commission for organizing the competition composed of the managerial staff of the faculty.

Within the deadlines set by the competition, the preliminary public results are announced on the premises of the faculty and on the website of the Faculty www.fna.uni-pr.edu.

Regarding the admission of students, respectively those who have not passed successfully, then they have the right to file a complaint. The complaint is made in writing, immediately after the announcement of the preliminary results within one or two days.

Upon completion of the filing of complaints, the commission formed by the faculty council for complaints reviews the requests and invites the respondents "one by one" to see their work (which is initially coded, and later "whitewashed" with identity). In the paper is the evaluation of how it was done, the way of scoring, the correct and incorrect questions. If the Appeals Committee finds that an "assessment error" has been issued to any of the complained candidates, then in the summary report the committee proposes to the faculty council to increase the number of students eligible to complain about admission to the study program. Complaints evaluation procedures are transparent, impartial and professional, always taking into account the code of ethics and other conditions set out in the competition.

The criteria for admission of students in the study program MSc in Construction are defined in the competition announced by UP. The required documentation for the competition is specified in the competition announced for each study program. Documentation and Diplomas which do not belong to the state of Kosovo are required to be equivalent, but for the countries of the region MEST with administrative instruction recognizes them automatically.

The final results are made public in the premises of the Faculty, on the website of the faculty as well as in the general-central administration of UP.

The number of students for the study program for MSc in Construction is determined in each academic year, respectively before the competition is announced. The number of students for the study program is discussed in the Construction department and in the faculty council.

The number of students enrolled for the MSc in Construction program is presented as follows:

- academic year 2017/2018 37 students
- academic year 2018/2019 31 students
- academic year 2020/2021 37 students

The organization of the teaching process for this group of students is based on the principles of increased efficiency, quality control of teaching and sufficient facilities provided. Usually, lectures are held in groups with all students in the amphitheater or in other classrooms with larger capacities, while numerical and laboratory exercises are performed by working groups with a number of students from 10 to 15.

Student exams during the studies in the program for MSc in Construction are organized in regular deadlines (January, June and September of each academic year), as well as in additional deadlines approved by the UP Senate (November / December and March / April) students are subject to examinations in subjects on which they have fulfilled the obligations from lectures, exercises, seminar papers, etc. There are differences between courses in terms of exam methodology. Mainly professional subject exams (characterization subjects) are divided into

analytical / numerical part (assignments) and theoretical part. For this program, exam results are made public on the faculty website, at SEMS or even on the faculty bulletin board. Every student has the right to refuse the grade or even to complain about the assessment. In cases when there is a complaint for assessments, then the vice dean for teaching issues forms the commission for assessment consisting of three members (of narrow field of the subject, without the presence of the teacher), the teacher is notified and the same is obliged to bring the exam paper of the student complained for re-assessment. After the re-assessment of the paper, the commission makes a decision and re-assessment the student with a real grade and puts the same evaluation in SEMS. Even after placing the grade in SEMS, to the student is given the opportunity to refuse the grade and take the exam from the beginning.

The system for storing grades from previous exams is at the level of the University "SEMS" (Electronic Student Management System) and this system allows the student unrestricted access to his personal profile.

The student at any time can see the assessment from the completed exam, as well could see the grades and the ECTS credits of the courses passed.

For the courses of the MSc in Construction study program, the student can download the necessary course materials which are uploaded by the course teachers.

Before the beginning of the studies (at the beginning of the first academic year) the management staff of the faculty welcomes the students by explaining to them their rights provided by the statute of the University, internal regulations and their orientation with the administration.

Undoubtedly, the administration of the faculty plays a significant role and is helpful in the development of administrative procedures when the necessary cases are presented by students for any request on their part.

Student requests are submitted to the faculty secretariat, the same are reviewed by the teaching committee at the faculty level and these requests are of various natures, mainly issues from the study programs (duration of the study period, possibly postponing an exam deadline) by student side.

Study committee - the teaching committee reports to the faculty council with a written report and the council approves (comments, with remarks, without remarks, rejects) the report.

The electronic student management system SEMS is also managed by the management staff of the faculty, respectively by the Dean and the Vice Dean for teaching issues. The administration also has more extensive access to SEMS, with the sole reason to manage semester registrations for students, the various certifications that students require from time to time and as needed.

SEMS maintains student enrollment records from the beginning of studies to the end - graduation.

The study program for MSc in Construction is organized in Albanian language, this is regulated by the Statute of the University of Prishtina. All subjects (except English) lectures, numerical / analytical exercises, laboratories are conducted in Albanian. Each course holder has the duty

to provide primary literature in Albanian (literature added / expanded can be in another language, usually in English).

Student work, answers, seminar papers, semester papers, project assignments, and diplomas are worked in Albanian language.

The responsibility falls on the course holder that the students' works, their diplomas are original. There is still no electronic platform based on the Albanian language to assess the originality of the work, as they are in other languages. We hope that in the future such a thing will be possible (to create a platform for the originality of works).

The University Statute is the document that legally regulates academic units, academic, administrative staff and students. At the UP level there are regulations which regulate and supplement the specific areas of activity for the needs of Students, their studies and others.

Everyone has the opportunity to access the websites of UP and academic units, respectively faculties. On the websites are these regulations which can also be downloaded. This is a very transparent method of organizing academic activities and that Students are informed about their obligations and rights.

At the level of UP there is the regulation for academic mobility of students at the University of Prishtina, (<https://uni-pr.edu/desk/inc/media/BA831ED1-9509-4526-A221-5797F822601D.pdf>). The purpose of this regulation is to comply with all EU standards that orient HEIs towards integration into the European Higher Education Area and the European Research Area, respecting the Bologna Declaration and the recommendations of the Council of Europe to encourage and promote mobility. academic and staff.

This regulation is public to students, on the website (as above), and contains obligations and obligations, mobility procedures for academic units as well as for students. Recognition of academic mobility is an issue which is regulated at the level of the faculty and the study program.

The regular and engaged academic staff have contractual obligations for teaching, administrative matters and consultations with students.

Consultations with students are regular, they are also organized depending on the requirements of students, before exams, after exams, during teaching, during diploma work, during project work and in cases of particular research.

To be informed about scientific achievements, students have access to the Science Direct digital library of the Elsevier publishing house (ScienceDirect, UP Website: <https://www.uni-pr.edu/>). Also, students have the opportunity to find electronic materials in the Central National Library through the LibApps platform created by the University of Prishtina within the Erasmus + project, "Library Network Support Services".

SWOT analysis for students:

A. Strengths:

- Student activities within the curriculum are compatible with activities in the international curricula of the field.
- Students are creative with work in studies.
- Competing students with students of Regional Universities and International Universities in the field of Structural Engineering.
- Access to scientific journals through the Science Direct digital library provided by UP.

B. Weaknesses:

- No weakness is noticed.

C. Opportunities:

- Creating new opportunities for MSc in Construction, promoting interdisciplinarity, through practical work, network of employers.
- Student mobility through research projects at International Universities in the field of Civil Engineering.

D. Challenges:

- Promoting the value of Civil Engineering in institutions and organizations in the field.
- International practice.

4.1.6. Research

In response to the local and global situation as well as in relation to the main issues that are raised today for solution, the University of Prishtina has tried through a long process of reflection to define and consolidate its institutional mission and the main objectives of further development. Academic units in their missions also have open field research areas with priority. Consolidation and advancement of scientific research based on modern and innovative methods is one of the main objectives of the Faculty of Civil Engineering.

The University of Prishtina and the Faculty of Civil Engineering have the approved Strategic Plan 2020-2022 [A3]. The vision of UP together with the academic units is: with an idea towards the future. The University of Prishtina will set a new quality standard for higher education in Southern Europe. Students are oriented towards independent scientific research work through collecting and analyzing relevant literature to learn and research. We will set high standards in teaching, scholarships, research, and creative work for our academic staff and researchers. The newly created framework will be the engine that will drive Kosovo's progress in the 21st century.

The first of the eight strategic areas of strategic focus and initiative is teaching, research and service. Increase the research results of academic staff in internationally recognized competitive journals in their field.

The MSc in Construction study program together with the academic staff has clear scientific research objectives which are also reflected in the development plan of the departments, respectively the Faculty. Teachers involved in the MSc in Construction study program are selected through policies developed by the University of Prishtina.

This means that the academic staff involved, in addition to other required criteria, also meet the criteria for publishing scientific papers in international journals, which are in accordance with the regulations and the Administrative Guide on the principles of recognition of international platforms and peer-reviewed journals (see Website: <https://www.uni-pr.edu/desk/inc/media/C15E46D5-5159-4E97-B8CB-D69734E39CA4.pdf>).

Academic staff research enables the study curriculum in particular and the Faculty in general to bring the same classroom research experience as a source of real-world problems and (contemporary) issues of the time.

Due to the fact that the position of the researcher is not fully defined, actually the researches in various fields are mainly conducted independently. Until 10 years ago the way of scientific research was done according to the old regulations. With the start of the implementation of the Bologna Declaration, a vacuum has emerged in this regard.

One of the important elements of the research field is the completion of research in several Universities abroad, with which we have cooperation. A number of academic staff are in the process of pursuing doctorates that include research and experimental investigations in their work.

Research is also present in studies of other levels as it is the second level of studies, namely the study program for Master of Science in Construction, where students in certain forms do

certain parts of experiments in existing laboratories under the supervision of professors and co-commentators from abroad.

Within the collaboration framework, the research work is also related to the support from Erasmus +, Tempus and CEEPUS for research in certain fields.

The projects also offer collaboration with the partner University from the EU, offering short-term studies for more students in MSc in Construction study program.

The KSPC 1st conference, in addition to scientific research presented by different countries: Japan, Belgium, Poland, Italy, Slovenia, etc., shows a dedicated research work in Kosovo through presentations by local presenters with special emphasis on the application of Polymers in improving the properties of concrete. The presentations were generally based on experimental work performed in the FCE laboratory or even in collaboration with laboratories in the region and beyond. In the framework of research and development, the FCE from 2009 until now has carried out a series of activities in creating agreements with other Universities, as a result the cooperation is interrelated through study visits of the Faculty staff in order to advance the teaching method and research activity. Also, the participation of students in various workshops brings a new experience and also conveys an experience towards the open nature of the Faculty in terms of exchanging knowledge.

In the framework of international cooperation, academic staff have made study visits to: Technical University of Vienna, Austria; University of Graz, Austria; University of Leuven in Belgium, Lund University in Sweden; University of Skopje, Macedonia; University of Kyoto, Japan, teaching mobility through the CEEPUS program at the Technical University of Vienna; Polytechnic University in Tirana, Albania, University of Sarajevo in BiH, University of Bologna, University of Dortmund, CEEPUS-Slovakia, SEEform, RUHR, University of West Hungary, Bauhaus Dessau, Minho Portugal, University of Montenegro – Podgorica, Weimar University, Hope Fellowship mobility program in Washington, USA.

Management has been able to organize a series of lectures by TTI (Texas Transport Institute) Professors, for 5 consecutive weeks, including 5 modules, with lectures in English, lectures by Bechtel Enka professionals. This is a great achievement as it is the organizer thanks to USAID.

Within the Tempus DPAWB project in the period 2014-2017, lectures, workshops and seminars were held with representatives of European universities - partner in the project: University of MINHO-Portugal, Professor Manuela Almedia; Anhalt University of Bauhaus-Dessau, prof. Stephan Pinkau; University of Netherland, prof. Jim; Technical University of Bratislava-prof. Marosh Pinka.

Also, within the other MPG project, lectures were given by visiting professors from partner universities as follows: KTH, Sweden Stockholm-prof. Huan Faan; UWH-Budapest-prof. Bela Markus; University LGTU-prof. Darius Popovas; summer school where professors from the region were invited: prof. Hecimovic-University of Zagreb; etc

As well, a workshop of special interest in this field was held in collaboration with professors from the University of Trieste in Italy, in which case their experience in management and special projects was presented.

The BKSTONE project, started in 2020, is in the process of increasing its partnership and research work in the building materials industry-Stone, utilizing the international experience of partners from Italy, Spain, Greece, etc.

SWOT analysis for research:

A. Strengths:

- Activities of academic staff is continuous in research.
- Progress of published works.
- The FCE cooperation with local and international institutions.
- Access to scientific journals through the Science Direct digital library provided by UP.

B. Weaknesses:

- Financial decentralization for research dedicated to academic staff.

C. Opportunities:

- Creation of national databases for new scientific research.
- Creating opportunities for publications.

D. Challenges:

- Promoting the support of academic staff for research.
- Increasing collaborations with other universities
- Possible development of research through self-financing, or through International and National research projects.
- Providing funds through scientific / professional projects in the field of construction.

4.1.7. Infrastructure and resources

The Faculty of Civil Engineering, as an academic unit of the University of Prishtina, performs its academic, teaching and administrative activity in the "Technic's building" located at the location with address: Agim Ramadani street, near QKUK, Prishtina.

The Technic's building is known as the Technical Faculty that is related to the history from the past when the Technical Faculty consisted of the academic units of Construction, Mechanical and Electrical Engineering.

Thereafter the units receive institutional independence in a framework of the University of Prishtina, such as:

- Faculty of Civil Engineering
- Faculty of Electrical and Computer Engineering
- Faculty of Mechanical Engineering

Then, the three Faculties as independent units operate among themselves in the premises of this facility, which is often identified as the building of the "Technical Faculty" and more recently as the "Technical Campus".

The location of the "Technical Campus" is located in the southern part of the city of Prishtina, near the three residential neighborhoods of the city of Prishtina - Ulpiana, Sunshine Coast and Mati 1 and on the south side borders with the University Clinical Center of Kosovo. The space includes an unfinished location in terms of urban development even though the whole surroundings have already been built in its entirety. The area of the location is about 87,000 m² or 8.70 hectares. The restriction with three high-order roads makes the location have easy connections to the most important contents of the city by public transport, but also at the optimal distance for pedestrians.

The actual area currently built is 10,140 m² or 11.6%. Part of the location in front of the faculty building and the laboratory building is arranged in greenery which is used by students and citizens of the surrounding neighborhoods. In front of the faculty, the building block defined by the Urban Development Plan is entirely dedicated to education and science.

The whole area around the building is equipped with all technical infrastructure services - water supply and sewerage, electricity supply, district heating services and telecommunications infrastructure.

The contents of the spaces of the "Technical Building" are, common communication spaces (corridors, stairs, toilets and toilets, libraries, warehouses, etc.), amphitheatres, classrooms, cabinets for teachers, administration spaces, auxiliary spaces and others. Undoubtedly, the spaces that best complement the teaching process are the Laboratories which are located in the vicinity of the Faculty building and have considerable space.

Being three academic units (FCE, FECE and FME) of UP operating in these spaces, the spaces are divided proportionally. Spaces that cannot be divided proportionally in ownership then those spaces are used by rotation proportionally in terms of time. The surface of the building is 11455 m², meanwhile, the laboratories of electrical engineering with 4205 m² and

construction laboratories with 5650 m². The total area belonging to the Faculty of Civil Engineering is about 9,468.33 m².

The spaces that belong to the Faculty of Civil Engineering from this proportional division are: level of the building so called 500 containing 9 classrooms, 13 cabinets for the academic staff, common communication spaces - corridors, toilets, warehouses, Informatics Laboratory, etc. At this level of the building is also the library of the Faculties.

At level 400, are the common areas of the Faculties - Large Halls, Toilets, Toilets, Warehouses, etc. Most of the Faculty administration, student services, Secretariat, Dean's Office - management offices and Amphitheatres (415 and partly 408) are located at this level. At this level is the main entrance to the building.

At level 300, are the classrooms, the administration offices of the Faculty where the activity for student services takes place. Common spaces, corridors, stairs, toilets, toilets, etc.

At level 700, are the cabinets for the academic staff and the common spaces. Each of the regular academic staff at the Faculty has its own office, desk, necessary equipment for work, computer, printer, telephone, as well water installed inside the office.

Considering the number of active students within the FCE (total number of students in all study programs at the FCE) about 4000, in relation to the total area of the building belonging to the FCE is 9468.33/4000 then the area of the building for a student is 2.37 m² which is a good indicator of performance.

The condition and technical conditions that the "Technician Building" offers are such that (calculating the time of use of the building from the beginning of use 1982 until today - 38 years) on average complements with the needs of work for our academic units. In the last 5 years, investments have been made in improving working conditions and environments. It is worth mentioning the improvement of heating, the operation of the heating network has significantly contributed to the improvement of conditions for regular teaching in classrooms. In 2018 by the World Bank Investments, the energy efficiency program, it was invested in the thermal facade and windows of the building. Year after year, UP partially invests in the repair and functionalization of the spaces of our building. In 2018, investments were made in the arrangement of the premises of the spaces in the part of the Laboratory Building. Part in Geodesy as well as in other Laboratories.

For the operation of the Laboratories, for the needs of teaching, capital investments have been made in the equipment for the Laboratories of Geomechanics, Materials and Asphalt, Hydrotechnics and Environmental Engineering.

Despite the investments made and that are ongoing, parts of the building have not been renovations and there will be a need in the future to make further renovations related to the premises of the building. It is especially necessary and urgent to increase the capacity of the library or eventually to newly build it up- as the Technical Library in the future.

The maintenance of the facility and spaces, and their security is done by an economic operator contracted by UP. For all three faculties respectively for the whole facility the maintenance becomes joint.

All departments of the Faculty of Civil Engineering use the learning spaces jointly (un-separated spaces). Due to the specifics of the work, equipment and services Laboratories are divided in function of the experiments that take place. All facilities of the Faculty are equipped with free Wifi Internet services.

SWOT analysis for infrastructure and resources:

A. Strengths

- Sufficient space for the development of the teaching process.
- Sufficient space for setting up the laboratory.
- Opportunity in ScienceDirect digital library.

B. Weaknesses:

- Insufficient space for a physical library,
- Lack of professional textbooks in the library,
- Lack of space for independent study by students,
- Lack of relaxing and recreational spaces for students.

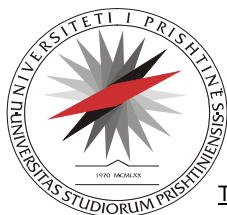
C. Opportunities:

- Establishment of a laboratory in the FCE spaces, dedicated to the fields of environmental engineering.
- Establishment of a single laboratory (e.g., for water quality analysis) within the UP to serve the common needs of all faculties.

D. Challenges:

- Providing funding for the establishment of laboratories through research projects.
- Expand international cooperation for research and teaching, in order to supply the library with books and laboratories with equipment.
- Increasing the possibility of using the laboratories of other institutions for the development of practical parts of certain subjects and for research.
- Increasing the number of texts in the library.
- Increasing the accessibility of digital platforms by Students-E library.
- Improving the quality of maintenance of spaces for learning process activities.

5. LIST OF REFERENCES



UNIVERSITETI I PRISHTINËS
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Dekani

Prof.Ass.Dr.Florim Grajcevci

Ref. nr. _____

Prishtinë _____ 2021

For the needs of drafting internal self-assessment reports of re-accreditation of study programs for BSc Construction, BSc Geodesy, BSc Hydrotechnics, MSc Construction and MSc Hydrotechnics, the following are the references which help for the facts and supports that the Faculty as an academic unit of the University of Prishtina bases its activity.

LIST OF REFERENCES - RVB REPORT

Reference 1	Statute of UP
Reference 2	Monograph UP
Reference 3	Strategic Plan UP
Reference 4	Code of Ethics of academic staff
Reference 5	Agreement between the Faculty of Civil Engineering and the Faculty of Architecture
Reference 6	Job Description of the Dean
Reference 7	Regulation for Bachelor (BSc) studies UP
Reference 8	Regulation for Master studies (MSc) UP
Reference 9	Regulation for amendment of article 25, para. 7 of Regulation no. 2-921, dt. 24.10.2019, for bachelor studies at the University of Prishtina
Reference 10	Regulation for amendment of Regulation no. 2-922, dt. 24.10.2019, for scientific master studies at the University of Prishtina
Reference 11	Decision - Coordinator Florim Grajcevci
Reference 12	Decision - Coordinator Laura Kusari
Reference 13	Decision - Coordinator Figene Ahmedi
Reference 14	Decision - Coordinator Perparim Ahmeti
Reference 15	Decision - Academic Development Coordinator Enes Krasniqi
Reference 16	Decision - Commission for studies in FN
Reference 17	Bachelor Thesis Guide
Reference 18	Master Thesis Guide
Reference 19	Decision for extension of the graduation term_BSc MSc and PhD
Reference 20	Regulation on appointment, reappointment and promotion of academic staff UP 2019
Reference 21	Regulation on appointment, reappointment and promotion of academic staff UP 2018
Reference 22	Regulation of evaluation procedures for the engagement of external collaborators UP
Reference 23	Report of the evaluation committee for engagement for external collaborators
Reference 24	Statement on the prevention of nepotism at UP

Reference 25	Rules of procedure of the electronic system for student management SEMS
Reference 26	Decision - Appointment of the supervisor of authorized assistants for lectures
Reference 27	Decision - Appointment of experts for the court case
Reference 28	Decision - Appointment of the FN Equivalence and Equivalence Commission
Reference 29	Approval of the regulation - Amendment of the regulation no.163 15.1.2015 - Advisory body of the academic units UP
Reference 30	CV Template of Academic Staff
Reference 31	Employment contract Template
Reference 32	Template part-time contract
Reference 33	Contract for engagement with overtime Template
Reference 34	Regulation on quality assurance and evaluation UP
Reference 35	National Chronicle of Qualifications
Reference 36	Guide for the evaluation of courses by students and the use of their results in UP
Reference 37	Regulation on the student election procedure
Reference 38	Regulation on Financing of Research - Scientific, Artistic and Sports Activity at the University of Prishtina "Hasan Prishtina " 3-879, 11.12.2020
Reference 39	Extension of the accreditation period for the study programs of UP - FN and FA
Reference 40	Decision of the Contract Manager and decision of the Admission Commission
Reference 41	Contract Notice - Supply of laboratory equipment for FIEK and others
Reference 42	Contract Notice - Supply and installation of laboratory equipment for FNA
Reference 43	Tender Dossier - Albanian_Supply with Laboratory equipment for FIEK and FNA
Reference 44	Tender Dossier-English_Supply and installation of Laboratory equipment for FNA
Reference 45	Contract and Financial Offer-Lot-2
Reference 46	Demand - Supply of Laboratory equipment for FNA - Ritender
Reference 47	List of Academic Staff Hydrotechnics
Reference 48	List of Academic Staff Construction
Reference 49	Preliminary procurement planning - budget for 2021
Reference 50	Rectorate request regarding the budget of 2021, 22 from FN, FIM, FIEK
Reference 51	Requests and Forms
	Official record
	Request Form
	Form F1B_Request for BSc mentor appointment
	Form F2B_Report for approval, formation of the commission and defense of the BSc diploma thesis
	Request for withdrawal of diploma thesis and decision for defense BSc
	Form F1_Request for evaluation of the project proposal of the MSc diploma thesis
	Form F1_Evaluation Report of the MSc Project Proposal

	Form F2_Request for the Formation of the Commission for the evaluation of the MSc Diploma thesis
	Form F3_Study thesis evaluation report MSc
	Form F4_Form for the defense of the MSc diploma thesis
Reference 52	Questionnaires
	Questionnaire for academic staff Albanian
	Questionnaire for academic staff English
	Subject evaluation questionnaire Albanian
	Subject evaluation questionnaire English
	Questionnaire for Bachelor students - English
	Questionnaire for Bachelor students - Albanian
	Questionnaire for the administrative and support staff of the university - Albanian
	Questionnaire for administrative and support staff of the university English
Reference 53	Template, Certificate of training of academic staff
Reference 54	Regulation on academic mobility of students at the University of Prishtina
Reference 55	Planned budget 2021,2022,2023
Reference 56	Planimetry of the faculty building-Floor 3
Reference 57	Planimetry of the faculty building-Floor 4
Reference 58	Planimetry of the faculty building-Floor 5
Reference 59	Planimetry of the faculty building-Floor 7
Reference 60	Suterren-Laboratories and Classrooms
Reference 61	Ground Floor-Laboratories and Classrooms
Reference 62	Laboratories and Classrooms - 1st floor
Reference 63	Learning agreement Student Mobility for Studies

6. APPENDICES

6.1. Students – data

Number of students and graduates in the last three years

CONSTRUCTIVE	Year	BACHELOR		MASTER	
		Students	Graduated	Students	Graduated
	2017/2018	127	73	37	15
	2018/2019	123	70	31	14
2019/2020	119	63	24	12	
HYDROTECHNIC	Year	BACHELOR		MASTER	
		Students	Graduated	Students	Graduated
	2017/2018	57	36	0	0
	2018/2019	28	37	28	2
2019/2020	26	22	14	8	
GEODESY	Year	BACHELOR		MASTER	
		Students	Graduated	Students	Graduated
	2017/2018	34	32	0	0
	2018/2019	55	50	21	1
2019/2020	38	37	19	0	
ROAD INFRASTRUCTURE	Viti	BACHELOR		MASTER	
				Studente	Graduated
	2017/2018			3	2
	2018/2019			1	5
2019/2020			0	1	
INXHINIERIE AMBIENTIT	Viti	BACHELOR			
		Students	Graduated		
	2017/2018	34	3		
2018/2019	28	6			
2019/2020	8	11			

Number of drop-out students for the last three years

The level of studies	2017/18	2018/19	2019/20
Bsc level	23	15	6
Master level	2	2	0
PhD level			

6.2. Facilities and equipment

	DESTINATION AREA	QUANTITY	AREA (m2)
1	CLASSROOMS	19	1200
2	LABORATORY	7	1268
2'	ACCOMPANYING THE LABORATORY SPACE (lab, classroom*, warehouse)	6*	1589
3	CABINETS	26	379
4	ADMINISTRATION	8	240
5	COMPUTER ROOMS	3	240
6	Corridors + toilets + auxiliary space		2397
SUBTOTOTAL AREA FOR DEPARTAMENTOS (THE BUILDING OF TECHNICAL FACULTIES AND LABORATORIES)			7255 m2

	DESTINATION AREA	QTY	AREA (m2)
1	CLASSROOMS	8	525
2	LIBRARY	1	36
3	COMPUTER ROOM	1	56
4	CABINETS	19	309
5	ADMINISTRATION	1	30
6	TECHNICAL SPACE	1	22
7	COFFE AREA	1	35
8	RECEPTION AREA	1	7
9	TOILET	2	42
10	MAINTENANCE	2	30
11	COMMUNICATION AND CORRIDORS		
A	SUBTOTAL OF MAIN BUILDING (BUILDING 1)		1725m2
B	MODELARIUMI (BUILDING 2)	1	515 m2

C	AMPHITHEATER (BUILDING 3)	1	300 m2
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SUBTOTAL AREA IN THE FACILITIES OF THE DEPARTMENT OF ARCHITECTURE			2540 m2
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EQUIPMENT		QUANTITY
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1	PROJECTORS	24
2	CONCRETISATION ASSETS	54
3	LAB EQUIPMENTS (I-building materials)	150
4	LABORATORY EQUIPMENTS (II-tarmac)	32
5	LABORATORY EQUIPMENT (Hydrotechnics)	68
6	LABORATORY EQUIPMENT (Msc Geodesy)	8
7	LABORATORY EQUIPMENT (Energy efficiency)	8
8	LABORATORY EQUIPMENT (III-geomechanics)	8

TOTAL EQUIPMENTS AT DEPARTMENT OF CIVIL ENGINEERING		279
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BOOKS		QUANTITY
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1	BOOK CATALOGUE	2
2	BOOK ELECTRONIC CATALOGUE	2

IT INFRASTRUCTURE		QUANTITY
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1	INTERNET	In all areas
2	NUMBER OF PCs ACCADEMIC STAFF	50
3	NUMBER OF PC STUDENTS	95
4	NUMBER OF PC ADMINISTRATION	20
5	WI FI	In all areas
6	PRINTERS	50
7	TELEPHONE	6

6.3. Budget Plan and Financing for FCE and FA

Budgeting and financing plan (accounts of revenues, capital expenditures, research expenditures and capital expenditures) at the level of the Academic Unit / Institution in general, for at least the next three years:

STAFF / SALARY AND WAGES	Approved Employee Number 2019	Budget Planning for 2020		Budget Planning for 2021		Budget Planning for 2021	
Full Professor	5	7	267,201	8	293,921	9	323,314
Associate Professor	8	8	119,924	9	131,917	10	145,108
Assistant Professor	15	17	75,892	18	83,481	19	91,829
Lecturer	1	1	24,045	2	26,450	3	29,095
Assistant	18	20	286,287	21	314,915	22	346,407
Administration staff	11	12	109,147	13	120,061	14	132,067
Collaborator	28	30	416,782	31	458,460	32	504,306
TOTAL STAFF AND SALARY EXPENSES	127	95	1,299,278 €	102	1,429,206 €	109	1,572,126 €

EXPENSES IN OTHER ECONOMIC CATEGORIES	Budget Planning for 2020	Budget Planning for 2021	Budget Planning for 2021
GOODS OF SERVICES	448,270	473,097	520,407
MUNICIPAL COSTS	77,000	84,700	93,170
CAPITAL COSTS	1,705,700	1,876,270	2,226,270
TOTAL COSTS IN OTHER ECONOMIC CATEGORIES	2,230,970 €	2,434,067 €	2,839,847 €
TOTAL COSTS AND STAFF	3,530,248 €	3,863,272.86 €	4,411,973 €

6.4. The structure of Appendices in an electronic format

UP-FCE-2021 (Main folder)

1 Documents

01-Annex-First page-Application

02-1-SER-UP-FCE-riaccreditation-Constructive

02-1-SER-UP-FCE-riaccreditation-Hyrotechnics

03-Annex-FCE-Quality improvement plan

04-Annex-Work and scientific projects

05-Annex-Cooperation Agreements

06-Annex-List of References

2 CV

CV-MSc Konstruktiv (*të gjitha CV-të e Personelit mësimor në Program*)

CV-MSc Hidroteknikë (*të gjitha CV-të e Personelit mësimor në Program*)

3 Syllabuse

Syllabuse- MSc Konstruktiv (*të gjitha lëndëve në Planin mësimor të Programit*)

Syllabuse- MSc Hidroteknikë (*të gjitha lëndëve në Planin mësimor të Programit*)