UNIVERSITYOF PRISHTINA "HASAN PRISHTINA"

FACULTY OF CIVIL ENGINEERING (2022)

UNIVERSITETI I PRISHTINËS
"HASAN PRISHTINA"
UNIVERSITY OF PRISTINA
FAKULTETI I NDËRTIMTARISË – CIVIL ENGINEERING FACULTY
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SELF EVALUATION REPORT
REACCREDITATION OF THE STUDY PROGRAM

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Prishtina, January 2022

THE FACULTY OF CIVIL ENGINEERING

STUDY PROGRAM:
GEODESY (MSc)

REACREDITATION

SELF EVALUATION REPORT

January 2022, PRISTINA

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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 Pristina. University of Pristina 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.

- **Mission and objectives offered by study programs**

The mission of FCE is based on the mission of the University of Pristina 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 in country level.

Teaching and research are the main activity of this academic unit. The activity of an academic unit is characterized by the interaction between the teaching activity and the scientific-research activity. This is due to the fact that, in order to achieve the desired results in studies, teaching must be inseparable from scientific research.

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 society and the country in general,
- professionals compatible with market requirements,
- development of activities required according to the market demands,
- providing services and expertise to third parties,
- research on patent development by 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 labor 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. 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 Constructive, 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**

The University of Pristina has the Statute **[A1]** (see 06-Annex-List of References) or **[S1]** (see the link in the table with titles and description of regulations / policies, in Standard 1.4.), Which includes: academic units as an integral part, relevant documents for the assistance of academic units, collegial bodies starting from the Steering Council, the Senate, other functional committees, management staff and central administration. FN uses all these 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 statute of UP is a leader who creates a collegial, collaborative and study environment that serves the common interests of students, professors, managerial and administrative staff. The duties of the Dean of the HEI are also described in the relevant documents of the central level of UP, (https://uni-pr.edu/desk/inc/media/126A0EED-0A53-48A7-8E56-5875EE868FAC.pdf) **[A6]** (see 06-Annex-List of References). HEI, respectively FCE has a built and 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 Statute of UP, the Dean organizes the departments which take responsibilities from the Dean and according to the relevant documents of UP and FCE.

Within FCE there are Departments which correspond to the respective fields of study with special study programs of the Bachelor and Master of Science level. FCE Department, are (https://fna.uni-pr.edu/Departments.aspx):

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

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

The administration of UP is centralized and provides services to all academic units on many issues, such as some of them can be counted: finances, services for students (diplomas, etc.), contracts of academic and administrative staff. The administration of the Faculty has limited executive powers and for the Faculty of Civil Engineering it consists of the Secretary, as the highest function and responsible for the administration at the level of the academic unit, service for students, IT-staff, economist-financier, protocol service, asset manager and laboratory technicians.

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

The Faculty of Civil Engineering offers BSc bachelor studies programs for various fields of study (Construction, Hydrotechnics, Geodesy and Environmental Engineering), based on the Statute of UP and according to the NQF National Qualifications Framework (https: //akkks.rks-gov.net/uploads/korniza_kombetare_e_kualifikëve_2020.pdf), which are dedicated to candidates from the Republic of Kosovo who have completed secondary education according to the framework by Ministry of Education Science Technology and Innovation (MESTI) for secondary education and candidates from other countries according to approved quotas https: // uni - pr.edu/desk/inc/media/AEE5CABB-5CD7-4418-9489-03949385902A.pdf. For the registration of new students in the basic study programs in FCE, the competition is announced by UP https://uni-pr.edu/desk/inc/media/308524D5-4D04-418C-B904-A574F890E195.pdf specifying all criteria and quotas. After the announcement of the competition, FCE organizes the exams according to the criteria and evaluates the exams, the success from the high school, the Matura exam and makes their ranking by announcing them on the website of the faculty as well as in its adequate spaces.

FCE as a HEI organizes study programs in Bachelor level in fields of Environmental Engineering, Construction, Hydrotechnics and Geodesy. For scientific Master level, the FCE organize the same study programs in fields of 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 study programs, a public competition is also announced by the University of Pristina, which specifies all the criteria and quotas. After the announcement of the competition, FCE

organizes the exams according to the criteria and evaluates the exams, the success from the level of basic studies, and makes their ranking by announcing them on the website of the faculty as well as in its adequate spaces.

The Faculty of Civil Engineering has the main role of teaching and learning, where the student is always in the center of attention. The perfection of teaching is achieved through research work carried out by the academic staff of the HEI. The engagement of academic staff in the fields of research 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 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 staff contributions to the needs of the labor market are evident and are counted as a common event of the Institution. The academic staff of FCE makes valuable contributions to the various services of the Faculty as required and some of these jobs can be enumerated, such as the Study Program Evaluation Report itself, the preparation of various reports and analyses for the needs of the Faculty. Therefore, the management of FCE together with the academic staff and the administration are engaged not only in the teaching process, but also in enhancing the performance of teaching, teaching, 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 **[**Error! Reference source not found.**]**. 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.

1.2 A brief overview of the program in evaluation – Master in Geodesy

Name of the Institution	University of Pristina "Hasan Pristina"
Faculty / Department	Faculty of Civil Engineering / Geodesy
Main and/or Branch Campus	Main Campus
Specify the Branch that you are applying for	NA
Name of the study programme	Geodesy
Person in charge for the study programme	Prof.asoc.Dr. Përparim Ameti
Accreditation / Reaccreditation	Reaccreditation
Level of qualification according to NQF	Level VII
Academic degree or the name of Diploma	MSc in Geodesy
ECTS	120
Profile of the academic program	Geodesy
Erasmus Subject Area Codes (ESAC)	07.6 (Geodesy, Cartography, Remote Sensing)
Form of studies	Full time
Minimum duration of studies	2 years
Number of study places	20
Permanent scientific / artistic personnel for the Study Programme (at least 2 PhD)	1. Prof.asoc.Dr. Përparim Ameti 2. Prof.ass.Dr. Ymer Kuka

The Department of Geodesy, Geoinformation, Earth, and Space Observation is the host Institution for preparing and implementing the study programs; Bachelor and Master in Geodesy (hereinafter referred to as MScG). Policies and procedures designed and approved for all Faculty of Civil Engineering (FCE) programs are applicable to the MScG study program. The teaching staff at the MScG study program are qualified and experienced in teaching and researching a specific field they are engaged in. As such, teachers contribute to teaching and research in general, and in particular to fostering motivation, reflection in the learning process.

Market research and understanding of current needs are determinants of requirements for professional development in geodesy, geoinformation, and spatial observation of the Earth, while FCE provides professional engineers in relevant fields who can serve the demands of the labor market. This is made possible by genuine studies receiving feedback from industry or public institutions, which have a demand for this type of profile, and based on the University mission that defines the priority areas where the academic unit exercises its activity.

The Master of Science in Geodesy (MScG) program is a continuation of the Bachelor of Geodesy study program, which is also offered at the FCE.

The level of study is based on a specific background and more in-depth studies than at the bachelor level, enabling students to gain advanced scientific knowledge based on research and innovation.

This study program demands a higher dedication to research, teamwork, and joint projects by groups of students.

The MSc in Geodesy (and Geoinformation) program aims to positively transform society by making a meaningful contribution by influencing public policies where it is involved with the expertise and work of student staff in a series of reforms with an impact on the context of time as well as higher education reform.

The MScG study program is an integral part of implementing the institution's mission. Its objectives include the education of engineers, drawing on the latest scientific achievements in the fields of geodesy, geoinformation, and Earth observation from space. It will also focus on educating students in general knowledge, multi-disciplines, and the complexities of engineering fields, as the global problems specified by the 2030 Agenda for Sustainable Development Goals (SDG).

Special emphasis is given to Earth observations from space, geospatial data and other data related to land, water and the environment. These resources enable nations to analyze and model conditions, create maps and other visualizations, assess impacts across sectors and regions, monitor changes over time in a consistent and standardized manner and improve accountability. The MScG program will make some changes to stay updated with technological advancements, especially Earth observation technologies from Space. Particular emphasis will be given to technologies offered through various programs, especially COPERNICUS, which enables the use of SENTINEL satellite systems that allow free and real-time observation and monitoring of climate change and the environment.

To follow such technological advancements and trends that must be implemented through curricula, the department of geodesy from the academic year 2021/2022 has changed its name and is now called "Department of Geodesy, Geoinformation, Earth, and Space Observation".

Among other considerations, the development and revise of the study program for Geodesy (and Geoinformation) will be tailored to support the demands and needs of the labor market, not only at the national level but also abroad - Europe and beyond. Therefore, the program revise is based on many Higher Education Institutions at the regional and European level.

After the independence in 2008, Kosovo faced problems with property, cadastral and environmental issues. All maps, geoinformation, and basic geodetic infrastructure are lost during the 1999 war. The country needs to build updated documentation in digital form to enable economic development and new infrastructure.

With various sources of funding, a national cadaster system is under construction. This new cadastral system provides the technical and legal basis to protect private property, facilitate transfers and taxation, and promote investment and production. Land reform depends on a cadastral system, as well as accurate, easily accessible maps and other geoinformation (data on borders, areas, ownership, asset values, taxes, etc.).

However, Bachelor-level education in geodesy and cadaster in Kosovo cannot meet the needs and demands of the country. As a new country, Kosovo needs the MScG program to provide a higher level of education in this field. In 2003, the Bachelor's program in Geodesy was established in the Faculty of Civil Engineering and Architecture of the University of Pristina (UP), while the Master's program was established in 2015 through the TEMPUS program (an EU funded program).

This program aims to provide students with the appropriate technical and scientific background and prepare students for their careers as future engineers as well as future researchers.

This program also aims to advance the development of a curriculum that will enable the department to collaborate with other universities in the field of geoinformation, earth, and spatial observations.

Upon completion of this level of studies, the student accumulates 120 ECTS and is awarded a diploma in Master of Geodesy (and Geoinformation).

2 EVALUATION OF THE GEODESY STUDY PROGRAM (MScG)

2.1 Mission, objectives and administration

Standard 1.1 The mission of the MScG study program is consistent with the overall mission statement of the Faculty of Civil Engineering (FCE). The program is oriented towards teaching, learning, continuous research, and providing a program designed to meet the three main goals of the program (see Standard 1.3). The MScG study program has a well-defined didactic and research concept. The Strategy of the Faculty of Civil Engineering continuously follows the objectives initiated through the Strategic Plan of the University of Pristina, supporting each study program in fulfilling these initiatives [S2 & S3]. Increasing the quality of teaching, learning and research, it aims at developing a sustainable program by: continuously revising the MScG study program; advancing scientific research (supported through grants-programs and international projects, supported at least through the increase of institutional funding and research expenditures by 1% of the annual budget of UP (2020) [R4]; developing training on the effective use of the Science Direct platform as an opportunity to find relevant content in specific areas (2021)); collaborating with the advisory body [T5] formed within the FCE; creating and maintaining the appropriate lab for specific areas in the program; and, increasing the quality of services for students.

Standard 1.2. According to the National Qualifications Framework [K1], the MScG Program belongs to the seventh level (7), which leads to the qualification with the title Master. Students obtain the Master's degree by demonstrating knowledge, skills, and competencies for each subject in particular and the entire program in general. Their critical role in addressing specific problems and their solution to these problems is achieved through teaching and lab tasks. Using new methodologies, ensuring the development of academic staff with participation in teaching trainings, and training for applications in scientific and professional projects, participation in conferences, scientific research publications, updating study programs to adapt to the demands of the labor market, consultations with the advisory body [T5] on market demands, discussions between actors within the FCE and FCE cooperation with outside parties (Institutions, companies and public and private, local and international organizations), and the MScG program aims to achieve learning outcomes in line with the National Qualifications Framework and the European Higher Education Area Qualifications Framework.

Standard 1.3. The program aims to achieve these three main goals: a) Educate generations to address the challenges associated with geodesy and geoinformatics; b) Create, develop and disseminate new knowledge; c) Play a leading role in providing (nurturing) interdisciplinary education to solve the problems faced by society. Indeed, FCE's strategy regarding the structure

of studies and the study program is to provide clear education by creating conditions: to be open to new ideas, be creative, engage in long-term learning throughout life, and be sustainable.

Teaching in the MScG program is conducted through lectures, numerical and laboratory exercises, as well as through teacher/student cooperation during the teaching and learning process.

The MScG program also offers course development through: field study visits to institutions related to geodesy, cadaster, and spatial data in general; organizing basic research seminars which are prepared in the classroom using individual laptops to obtain information on methodologies, judgments, decisions, and recommendations from case studies in the web. Also, information is provided on research papers (as case studies) developed and published in journals or conferences by the teacher within the unit or field of the subject being taught. The advisory body also provides knowledge of practical work of a professional nature. Finally, in December 2021, an open lecture on "INSPIRE" was held. In this context, from the cooperation between the FCE and the advisory body, open lectures are now continuously organized (initially evaluated by the FCE staff as a lecture evaluation committee) in the service of the staff and students. The MScG study program is oriented towards meeting the overall goals of FCE, offering courses with modern and up-to-date content that are flexible and easily adaptable to local, regional, and global market demands.

Standard 1.4. The program evaluation report by international experts (May 2019, Report attached to this SER) recommended: "A list of titles and a brief description of policies, guidelines, and regulations to be included in the SER." Such a list with titles and short contents as well as relevant links for some existing regulations, announcements, and decisions related to the mission, objectives and administration of the program as well as other issues included in the SER (quality management, staff academic, teaching process, students, research and infrastructure) is provided in the following table. In the text of this SER, these policies, instructions, regulations are referred to the same table (e.g. for the Statute of UP as: [S1]). Other regulations, guidelines, and policies that are not included in this table but that deal with procedural, academic, and other issues are attached to the "List of References" in this SER.

Table 1. Short description of regulations/policies and relevant links

Statute and Strategic Plans			
Ref.	Title	Short description	Links
S1	Statute of the UP	It is a statutory basis for the regulation, operation, financing, and quality assurance, including staff and students at the University of Pristina in accordance with the European standards.	https://uni-pr.edu/desk/inc/media/9E4445D9-FE24-47C5-9B1E-8059828B4D7E.pdf
S2	Strategic plan of the UP	It contains strategic initiatives, including time, responsible actors, and implementation cost for initiatives.	https://uni-pr.edu/desk/inc/media/D7EAE629-A39D-4D4C-A598-93B7B5227EDB.pdf

S3	Strategy of the FCE	It includes the ambitions, the initiatives envisaged by Alumni, our supporters, and partners.	https://fn.uni-pr.edu/desk/inc/media/2194CD62-DE91-48D5-9EFA-70C9297A4D67.pdf
Frameworks			
Ref.	Title	Short description	Links
K1	National Qualifications Framework	It promotes quality improvement in education and training. It aims to have qualifications in line with the requirements for employment and meet the needs of the economy and society in the country.	National Qualifications Framework - brendia.cdr (rks-gov.net)
K2	European Higher Education Qualifications Framework	It elaborates qualifications framework, recommendations, and proposals for a comprehensive framework for higher education qualifications.	Microsoft Word - PJE 180205 A Framework for Qualifications of the European … (ecahe.eu)
Regulations			
R1	Regulation on re-accreditation preparation procedures at the UP	It defines the form, processes, and procedures for preparing accreditation and institutional re-accreditation and study programs at the UP.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5C53e6391d-e725-4849-a09e-6045788c0dcd31.3.2021.pdf&rrId=1170
R2	Regulation on selection procedures related to the appointment, reappointment, and promotion of academic staff at the UP	It includes the evaluation of the staff by the academic staff as an evaluation committee for teaching, research, scientific, and service activities.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5C3243d708-7344-4e67-9f35-3f96b5e0b7f827.5.2021.pdf&rrId=3404
R3	Regulation of the evaluation procedures for the engagement of external faculty in the UP	It establishes evaluation procedures for the engagement of external faculty, including retirees.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5Cebd6c945-dbf0-4ade-8b7d-89c6b64818ea25.6.2021.pdf&rrId=3419
R4	Regulation for the financing of the research activity - scientific, artistic, and sports in UP	It defines the ways of financing and allocating financial means for scientific and research publications by the academic staff and PhD students of UP.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5Ce8217096-5fdc-434d-aa77-e1e8cdafb83b27.5.2021.pdf&rrId=3406
R5	Regulation for basic studies – Master	It defines unique criteria for basic studies – Master's level.	https://studenti.uni-pr.edu/RregulloretPublic/ShkarkoRregulloren?dok=Rregulloret%5Ca17aef3b-1261-444c-bb1e-5417263be17615.3.2021.pdf
R6	Regulation on the electronic system for student management (SEMS) at the UP	It defines the standards for the use of SEMS.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5Cbe9d4ec5-55f9-4e61-b075-613c7195564312.5.2021.pdf&rrId=2390

R7	Regulation on academic mobility of students	It defines the procedures for student mobility.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5Ce6b0b3ed-e996-42de-9806-d12a653632c226.3.2021.pdf&rrId=64
R8	Regulation on disciplinary measures and procedures applicable to the UP academic staff	It defines the disciplinary procedures and measures applicable in cases of disciplinary responsibility of the UP academic staff.	https://ekonomiku.uni-pr.edu/desk/inc/media/BAF4228A-69BC-4345-8BB7-F71FF34C26F3.pdf
R9	Regulation on the procedures and disciplinary measures applicable to the UP students	It defines the disciplinary procedures, disciplinary review bodies, and disciplinary measures and punishments against students.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5C4e2a301d-9a21-4d98-85cc-598eef42d18931.3.2021.pdf&rrId=145
R10	Regulation on the election procedure, establishment, and functioning of the student parliament (SP) and student councils (SC) of the UP	It defines the procedures for the election of the SP and SC. It also defines the scope and issues that SP and SC deal with.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5C8725a34b-aeaf-486b-9b3e-884ec66f22b131.3.2021.pdf&rrId=1162
R11	Regulation on the structure and working principles of the center for excellence in teaching at the UP	It assists in advancing academic capacity and developing teaching systems by promoting effective and quality teaching that competes with the best universities in the region and the World.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5Cb4d8fe85-2619-44e5-85ef-79085c4db13129.3.2021.pdf&rrId=87
R12	Regulation on personal income of academic staff, allowances by functions, and other compensations in the UP	It regulates the issues of personal income and compensation for the academic staff at the UP (regular and engaged) and the creation of student groups.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5C86c0e3a8-8067-4b01-91fc-5166b1874eff24.10.2021.pdf&rrId=3455
Decisions			
Ref.	Title	Short description	Links
V1	Decision on the registration requirements for basic studies (Bachelor level) for the following year	It defines the requirements that students and the administration must fulfill to register for Bachelor for the following year.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5C6daf4d42-bb6c-4355-81ba-d3e36db2cfa821.10.2021.pdf&rrId=3454

V2	Decision for the extension of the graduation period for students who have exceeded the allowed time to complete studies at the bachelor, master and doctoral level	It defines the conditions for extending the duration of the graduation period for students who have not completed their studies within the allowed (regular) period.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5C80d1f99b-6c1f-41ce-a7ab-1c52d82412987.9.2021.pdf&rrId=3436
V3	The UP Senat''s Decision for formalizing instructions for conducting academic activities during the COVID-19 pandemic	It formalizes the guidelines for the conduct of academic activities during the COVID-19 pandemic (there are also announcements for virtual platform services in pdf format, sent by e-mail from the IT Office of the Rectorate).	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5C15c8961b-7bdc-4fcc-b519-166fe39eb36e2.4.2021.pdf&rrId=2182
Administrative Instructions/Regulations			
Ref.	Title	Short description	Links
U1	Administrative Instruction from MESTI for accreditation of higher education institutions	It includes the evaluation process outside of the UP developed by the KAA on the accreditation of Higher Education Institutions.	ilovepdf-merged.pdf (rks-gov.net)
U2	Administrative Instruction on Revising and Reviewing the Syllabus	It supports academic staff/teachers to adequately write/revise/review their curricula to better reflect the course content and methodologies applied.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5C4433d342-8016-4826-9374-e9a086f48d7b12.5.2021.pdf&rrId=2392
U3	Guideline for the course evaluation by students and the usage of the results	Student evaluation for the courses, teaching staff, and administration serves as a tool for self-improvement of the faculty in particular and the FCE study program in general. This guideline includes questionnaires for teaching staff, subjects, services, infrastructure, and administrative and support staff of the UP.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5Ca55463ce-d0ce-4e7b-bfc6-3b3d4216192b29.3.2021.pdf&rrId=96
Other Documents			
Ref.	Title	Short description	Links
T1	Quality assurance at the UP	It includes the assessments of staff and teaching, students and learning, research activities and publications in scientific journals.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5C653eda16-1d3f-4111-bd6f-277ff6829bdc12.5.2021.pdf&rrId=2391

T2	Competition for admission of students in the first year of basic studies (Bachelor) for the academic year 2021-2022	It sets the number of students and criteria for enrollment in basic studies (Bachelor).	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5Ca53b53cb-b2e8-4b64-bc2a-9b6fc966c7a76.8.2021.pdf&rrId=3428
T2	International cooperation	Erasmus + ICM Agreement (KA107).	https://uni-pr.edu/page.aspx?id=1,61
T3	Cooperation agreements in the FCE	Cooperation agreement between the FCE and Institutions, companies, and local and international organizations.	https://fn.uni-pr.edu/page.aspx?id=1,56
T4	Code of Ethics of the academic staff	To create a favorable environment for the dissemination, expansion and critical examination of knowledge as well as to further the search for truth and knowledge.	https://dokumente.uni-pr.edu/Dokumentet/ShkarkoRregulloren?dok=Rregulloret%5C18c680a7-7854-41fe-8533-3524dc70087a21.3.2021.pdf&rrId=51
T5	The FCE Advisory Body (AB)	Establishment of the AB with its members.	University of Prishtina (uni-pr.edu)
T6	Alumni Community	The network of FCE professionals who serve as ambassadors in implementing and disseminating the knowledge they gained during their BSc, MSc, and PhD studies.	University of Prishtina (uni-pr.edu)
T7	Student Council	Student council representatives from the FCE.	https://fn.uni-pr.edu/page.aspx?id=1,23
T8	Center for Career Development	It assists students and graduates in developing knowledge and skills that will help them during employment and provide information to graduates about studying at the UP.	https://uni-pr.edu/page.aspx?id=1,78
T9	e-Career	It is a students' notification platform for various activities (at the FCE and the UP level).	https://fn.uni-pr.edu/page.aspx?id=1,41 https://uni-pr.edu/page.aspx?id=1,84
T10	Research infrastructure at the UP	Composition of laboratories in the academic units of the UP.	https://www.uni-pr.edu/desk/inc/media/041DEACC-F20C-41F2-801E-B19DAE1F431C.pdf

Standard 1.5. All staff and students of the MScG study program comply with internal regulations related to ethical conduct [T4] in teaching, research, and evaluation in all academic and administrative activities.

Standard 1.6. All the actors within the FCE: FCE Management, FCE Academic Development Coordinator, Program Coordinator, faculty, students, advisory community [T5], the FCE faculty and study committee, which consists of FCE staff and student representatives, as well as the FCE alumni community [T6], contribute to the program review, evaluation, and improvement to make

the program sustainable. As such, the program is forwarded for evaluation to the relevant structures and mechanisms of the UP, namely: Vice-Rector for Quality, Office for Academic Development (OAD), Quality Committee, and finally to the Kosovo Accreditation Agency (KAA) who provides recommendations through external experts. The path of review of the MScG program is defined by: Statutory provisions, Regulation on re-accreditation preparation procedures, Guidelines for syllabus review and revision [S1; R1; U2].

Sustainable program development is based on continuously strengthening the relationship between the faculty, the advisory community, and the alumni community (providing mutual information on market demands and curriculum updates) [T5 & T6]; with the increase of the quality of the academic staff in teaching and research (through training offered by the UP and the publications derived through research and scientific projects (application to international projects grants, or from the PhD research of the staff); as well as with the learning outcomes (student passing presented in the statistical report from the electronic system for student management (SEMS)). The FCE does not neglect the administrative staff who serve the faculty, students, and infrastructure development throughout this process as a basis for a sustainable program.

SWOT analysis for mission, objectives, and administration:

A. Strengths

- The MScG mission is clear and is in accordance with the FCE mission.
- The program's objectives support the mission of the faculty and are based on the needs mentioned in the program.
- It is in line with the current needs of Agenda 2030 of SDG and INSPIRE.
- The development of human capacities will contribute to the improvement of geodesy and geoinformation.
- Practical work in laboratories equipped with modern technologies.

B. Weaknesses

- Achievement of teaching and learning objectives with activities that meet social and cultural needs.

C. Opportunities

- Development of joint programs with other departments, inside or outside of the FCE.
- Application on various projects, funded by national or international institutions, to improve the quality of academic and scientific research.

D. Threats

- Securing funds for infrastructure and building technological capacity.
- Creating new jobs for teachers, assistants and/or administrative services.
- Due to the pandemic, there may be delays in cooperation with local and international institutions in joint research and academic exchange.

2.1.1 Quality management

Standard 2.1. Since its establishment in 1961, the Faculty of Civil Engineering (FCE) has continuously aimed to maintain sustainability through quality assurance in favor of the community at home and abroad (students, staff, society). Quality assurance in the FCE relies on the UP quality assurance instruments [T1]. In the framework of quality assurance and evaluation, internal and external evaluations are developed. The basic mechanisms and instruments of quality assurance at the institutional level are the quality assurance commission, the studies commission, and the academic development office at the university level. The working group for the review of the study program contributes to the improvement and adaptation of the MScG program's curriculum at the FCE level. This working group is comprised of: the management of the academic unit (FCE), the academic development coordinator, the coordinator with the holders and members of the relevant program, alumni community, teachers, current students, and former students (alumni). The cooperation with the advisory board contributes to the quality improvement of the MScG program [T5]. The advisory board operates within the FCE and includes representatives of institutions, companies, public and private organizations, as well as representatives of the faculty staff. The representatives of the advisory body are in fact the community of FCE, which enables teaching staff to increase the quality of the curriculum in the context of the market needs on the one hand, and on the other hand, contributes to the development and sustainability of the program based on market demands. The external evaluation is a process that encourages the study programs to meet internationally accepted quality standards, and it is conducted by the Kosovo Accreditation Agency (KAA). The steps of the organization and evaluation process for re-accreditation of the program are presented in the diagram in the Regulation on re-accreditation preparation procedures [R1].

Standard 2.2. The evaluation process and planning for improvement are constantly considered and integrated into program planning. The achievements are identified and sustained, while shortcomings are improved and are included in the program. The MScG program has managed to pass evaluations and be accredited by international and local experts (selected by KAA) by continuously considering these processes. In this context, the following table presents the periods of accreditation and re-accreditation of the MScG program. The official reports and decisions of these processes can be found on the Kosovo Accreditation Agency (KAA) website, specifically in this link: https://akreditimi.rks-gov.net/wp-content/uploads/2020/10/2021-3020-Vendim-Fakulteti-i-Ndertimtaris-Prishtine.pdf

Table 2. Accreditation / re-accreditation periods of the MScG program

Academic Unit	Department	Study program	Study level	Accreditation	Accreditation continued	Reaccreditation
FCE	Geodesy	MSc Geodesy	**Master**	**2015-2018**	**2018-2019**	**2019-2022**

Standard 2.3. The Faculty of Civil Engineering (FCE) organizes classes, exams, and student assessments. Self-assessment of academic staff (scientific and professional achievements) and the

subject; evaluation of the performance of the academic staff; progress monitoring of the teaching process and the implementation of the curriculum (lectures, exercises, exams) by the management and the discussions between the head of the department and the students continuously push the quality improvement. Recently (November 2021), the UP held a two-day workshop, where the management of the UP and HERAS + (international experts) discussed the possibility of developing and implementing a guide for measuring the performance of the UP academic staff. This guide would include the performance appraisal card in four key areas to the UP: teaching, research, institutional development, and community service (see link: https://uni-pr.edu/page.aspx?id=1,37,1510). The evaluation of the administrative staff, the financial resources, and the infrastructure are positive indicators for quality assurance and improvement in the FCE and the MScG program. All these processes are included in the planning and implementation of the study program, are supported by the central level of the UP, and are in accordance with regulations related to quality assurance in the UP.

Standard 2.4. An overview of quality issues for the program in particular and the faculty in general, in relation to the results of teaching and learning (as ways of assessing knowledge) is provided by applying exams, colloquia, seminars, including their interpretation and presentation, professional practices, as well as practical tests during exercises. These methods are used to assess each student on achieving the expected learning outcomes in each subject. The final assessment of students is published on the page "Applications form" in SEMS – where each professor or lecturer has access through a separate account. The standards of SEMS usage are defined in special regulations [R6]. At the basic level, student assessment in the individual subject refers to the level of successful transfer of desired knowledge. At a more general level, assessments, e.g., the participation percentage and the percentage of students passing the exams also reflect the level of achievement of the program objectives. Objectives achievement for a particular course is assessed through a statistical report extracted from the "Applications form" page in SEMS. The FCE management provides an annual student statistical report for all FCE programs to the teaching staff. The FCE management announces the achievements and shortcomings in the program's implementation and, together with the working group, reflects and suggests activities for quality improvement planning at the faculty level.

Standard 2.5. By continuously considering the abovementioned evaluation processes related to quality improvement in the program, it is ensured that the required standards are met.

Standard 2.6. The data provided by the student assessment survey for courses, teaching staff, and administration (the guide for student assessment of courses and the use of their results) [U3], led to continuous improvement of teaching in particular and the study program as well as the FCE in general. Both student and alumni comments are considered an essential instrument in program performance. Data on teaching staff's achievements are published on the official website of the FCE (see the academic staff page at the link: https://fn.uni-pr.edu/page.aspx?id=1,14). Another indicator of the quality is the number of students graduating on time; this number is generated by the FN administration (see in the appendix of this SER the table on Students: "Number of students and graduates in the last three years"). The Alumni community [T6] established at the UP and the

FCE level serve as ambassadors in implementing and disseminating the knowledge they gained during their studies in the FCE.

Standard 2.7. The results of all assessment processes that make up the internal quality assurance system are taken into account to ensure consistent quality. These subject scores account for: student attendance, student assessment via tests, colloquiums, laboratory work, fieldwork, homework, and final exam. Regarding professional skills achievement, the students are evaluated through the diploma thesis. The MScG program integrates the development of practical work by the student (as a separate subject in the program curriculum) in their graduation thesis.

Standard 2.8. Continuous improvement of the study program (every 3/5 years) occurs based on the recommendations of external experts for program evaluation. External experts are selected by the Kosovo Accreditation Agency (KAA), which, among other things, sets standards for quality assurance in accordance with local legislation and international standards for quality in higher education. The whole system for external quality assurance is regulated by an Administrative Instruction issued by the Ministry of Education, Science and Technology on Accreditation of Higher Education Institutions in the Republic of Kosovo [U2]. The evaluation program on the program's overall quality is prepared periodically for review within the FCE, and it presents both the achievements and shortcomings of the program.

Standard 2.9. The quality of the program is continuously improved:

- after taking into account all evaluations for specific quality system processes, including recommendations from external experts selected by the KAA;
- after the application of all self-assessment regulations and guidelines related to quality assurance at the UP level;
- after the application of all external evaluation regulations and guidelines related to quality assurance at the MESTI level;

The FCE prepares periodic (for the validity period of the accredited program) self-assessment reports that address all processes, instruments, and mechanisms impacting the performance and sustainable implementation of each program within the FCE.

SWOT analysis for quality management:

A. Strengths:

- Managing and monitoring the quality of teaching and learning through periodic reporting and evaluation.
- Monitoring the quality and assurance of services through reporting and communication with students.
- Transparency of achievements at the academic unit level through a digital system.
- Close communication with the FCE advisory body and alumni.

B. Weaknesses:

- Lack of budget for training and improvements in quality monitoring.
- Insufficient international cooperation through the exchange of students and staff.

C. Opportunities:

- Increased control / continuous monitoring of teaching and attendance at lectures/exercises of students through SEMS.
- Administrative capacity building and training according to international practices related to administrative work and quality monitoring.
- Possibility of quality sustainability through international cooperation.

D. Threats:

- Manning vacant positions for teaching staff and/or administrative services that support quality teaching and learning.
- Eventual budget cuts for new staff may affect quality management.
- Responsiveness of the private, for-profit, and online to meet student demands for unique programs.
- Increase in reporting expected by the government and society.
- A shift in focus on quantitative achievements instead of qualitative achievements.

1.3 Academic staff

Standard 3.1. The academic staff in the MScG program, respectively in the FCE, executes activities in full compliance with the statutory provisions of the UP. The MScG program includes full-time resident (regular) academic staff from the UP; and external (engaged) academic staff. The following table shows the profile of the teaching staff of the MScG study program. It presents staff's academic units (within UP), their degrees and vocation, teaching hours, the ECTS of the subjects they are responsible, and their research activity. These information are presented in the CVs of each teaching staff (see in the appendix of this SER - CV of the academic staff, or in the link: https://fn.uni-pr.edu/page.aspx?id=1,14)

Table 3. Profiles of teachers involved in the Master program: Geodesy

No.	Teaching staff	Academic Unit - Faculty University	Scientific degree	Academic tittle	Contract[2]	ECTS	Teaching hours		Research[3]
	Name and Surname						O	Z	
Regular Academic Staff									
1	Abdullah Zejnullahu	FN-UP	Dr. Sc.	Prof. Dr.	KRr	6	2		CV
2	Bashkim Idrizi	FN-UP	Dr. Sc.	Prof. Ass. Dr.	KRr	30	6	4	CV
3	Fidan Salihu	FN-UP	Dr. Sc.	Ass. Dr.	KRr	3	2		CV
4	Murat Meha	FN-UP	Dr. Sc.	Prof. Dr.	KRr	12	4	2	CV
5	Përparim Ameti	FN-UP	Dr. Sc.	Prof. Asoc. Dr.	KRr	24	6	4	CV
6	Ymer Kuka	FN-UP	Dr. Sc.	Prof. Ass. Dr.	KRr	15	9	6	CV
7	Fitore Bajrami Lubishtani)*	FN-UP	MSc	asistent	KRr	24	4	4	CV
8	Besim Ajvazi)*	FN-UP	MSc	asistent	KRr	12	4		CV
Part time Academic Staff									
1	Ismajl Kabashi	FN-UP	Dr. Sc.	Prof. Ass. Dr.	KP	12	4		CV
2	Ardita Ibishi	FN-UP	MSc.	Lektore	KP	3	2		CV

3	Milaim Sylka)*	FN-UP	MSc	asistent	KP	18	6		CV
4	Fisnik Loshaj)*	FN-UP	MSc	asistent	KP	12	2	2	CV
5	Dafina Tmava	FN-UP	MSc	asistent	KP	24	4	4	CV

Abbreviations from the table above:

1. FCE - Faculty of Civil Engineering; UP - University of Prishtina.
2. RC – Regular contract; PC – Part-time contract.
3. CV – biography of the academic staff (for their research, see the CVs of each teaching staff at the link: https://fn.uni-pr.edu/page.aspx?id=1,14
4. *PhD candidates

Standard 3.2. For the academic staff participating in the MScG program, the University of Pristina signs a regular contract (RC) for full-time (resident) academic staff and apart-time contract (PC) for engaged (external) academic staff. Engaged (external) staff is contracted for one year based on the department's needs. All staff, regardless of the type of contract, meet the legal criteria for the respective positions and are in accordance with the provisions of the Administrative Instruction No. 15/2018 on Accreditation of Higher Education Institutions by MESTI, Article 26, point 5.3 [U1].

Standard 3.3. The MScG study program contains full-time academic staff working only in a higher education institution. This means that the FCE has engaged academic staff in the MScG program based on the provisions of the Administrative Instruction of the Ministry of Education, Science, Technology, and Innovation of 2018, Article 26, points 5.3.14 and 5.3.15 [U1].

Standard 3.4. The MScG study program has a total of thirteen teaching staff (8 professors and 5 assistants). As per academic titles, the program has two full Professors (Dr. Sc. Prof.); an Associate Professor (Dr. Sc. Prof. Assoc.); three Assistant Professors (Dr. Sc. Prof. Ass.); a Lecturer; and six Assistants (Ass.). One assistant holds Dr. title, while five others are in the final stage of completing their doctoral studies. Based on the weight of the ECTS allocated for compulsory courses (Table in Standard 3.1), 60 ECTS are covered by resident professors with a regular contract from the UP while external (engaged) professors with a one-year contract cover 6 ECTS. In terms of the total number of hours allocated for compulsory courses, 20 hours are covered by resident professors with a regular contract from the UP, while external (engaged) professors cover 4 hours UP. Resident professors with a regular contract comprise 87% of the teaching staff. This means that the ratio has changed in favor of full-time teaching staff, which international experts also recommend in the assessment of the 2019 SER.

Standard 3.5. The Faculty of Civil Engineering has provided sufficient full-time teaching staff with the academic title Doctor in the MScG program. The recruitment of new academic staff is based on the requirements of the faculty, and it starts when the UP announces vacancies.

Standard 3.6. The MScG study program relies on professors whose field of interest is related to geodesy and geoinformatics. The program includes professors trained in teaching methods and student assessment practices in learning. Academic staff training is conducted on an individual

basis for certification, and it is organized by the UP Center for Excellence in Teaching [R11] in either basic level training "Teaching in higher education" or advanced level training “Planning and implementation of teaching in higher education". Academic staff eligible to apply for a resident academic position in the UP are invited to these training events. In fact, the advancement of the academic staff also requires the fulfillment of the criterion of training in teaching (see "Forms of the Evaluation Commission for the Appointment of Academic Staff in the Higher Education Institution") [R2]. Furthermore, the staff is encouraged to participate in scientific projects and compete for scholarships for teachers' academic mobility with universities abroad. Besides lectures, the utilization of Erasmus + funds for international cooperation includes conferences, workshops, and training. This offers multiple benefits, such as new experiences and models of good practices impacting professional and academic development.

Standard 3.7. According to the provisions of the employment contract and in accordance with the policies of the FCE, the academic staff is available to provide advice to students when they need it. The professors provide students with the text, basic teaching literature, instructions for seminar papers, and other forms used for teaching and learning. Professors offer additional literature for students who express interest in a more in-depth study for their development. Each professor is available to provide advice and expertise related to its areas of interest for the community's needs.

Standard 3.8. The academic staff of the MScG program, same as the entire staff of the FCE, is subject to self-assessment and questionnaires (as required in the Forms of the Evaluation Commission for the Appointment of Academic Staff in the Higher Education Institution) [R2], including staff evaluation for educational activities (teaching, organization of study visits, invitation of visiting lecturers, literature, and mechanisms for the proper assessment of students), for research, scientific, and professional activities (publications in scientific journals with international review, participation in scientific conferences, participation in research, scientific and professional projects, reviews in academic and professional journals) as well as for service activities for the UP, the FCE and the community (tasks assigned by the UP, the FCE, or voluntary tasks).

In order to monitor the academic activities developed by the academic staff, an anonymous questionnaire is used. This questionnaire is formulated by the rectorate and is completed by students. Through these questionnaires, both the academic staff and the subject are evaluated. The services, infrastructure, administrative and support staff of the UP are also assessed [U3]. These questionnaires allow the student to give his/her assessment for each subject in particular, including the teaching staff. The monitoring of the teaching process (lectures, exercises, exams) and learning outcomes (compared to the syllabus) developed by the management of the FCE and the department head gives an overview of the academic staff's performance. The progress of the lesson, the passing rate, and the participation of the students are controlled through SEMS.

Standard 3.9. The program's quality assurance is achieved through a regular evaluation of the academic staff, as elaborated in standards 2.3, 2.6, and 3.8. Providing appropriate teaching materials, such as basic literature and additional literature for gaining knowledge for students,

coupled with course content updates, guarantees the MScG program's quality assurance. Another quality assurance strategy through teaching and learning materials is the use of mobility by the FCE academic staff; this is achieved through EU programs "Erasmus +", or WUS Austria "Course Development Program plus (CDP +)" contributing to teaching reform (teaching, curriculum, and literature).

Standard 3.10. The working relationship as regular staff, engaged staff, and retired staff are regulated by the UP Statute, specifically Articles 169 and 170 on University Employees - Academic and non-academic staff [S1], Regulation on the selection procedures of the academic staff at the UP [R2], and the Regulation on the engagement of external staff at the UP [R3]. According to the provisions of the UP, resident (regular) staff is considered a UP employee who does not have another full-time employment contract in any other university [R3]. Retired staff are over 65 but engaged in teaching as part-time contract staff up to the age allowed by special acts. For this category, the faculty council decides on their engagement for each academic year [R2].

SWOT analysis for academic staff:

A. Strengths:

- Well-qualified academic staff (mainly from the EU universities).
- Academic staff with experience in international research projects.
- Academic staff is trained in teaching methods and student assessment practices in learning.
- Academic staff with excellent knowledge in using new technologies and foreign languages.

B. Weaknesses

- Budget deficits for staff development, especially in scientific research.
- Number of current academic staff

C. Opportunities

- Further professional and scientific development through cooperation with industry.
- International cooperation through the European Union (EU) and non-EU programs.
- Increase performance in specific areas according to the internal and external market demands.

D. Threats

- Ensuring institutional financial support for the teaching staff's academic development and research activity.
- System and legal framework limit flexibility in bringing newcomers.

2.2 Content of the educational process

Standard 4.1 The MScG program prepares students for professional careers (in design offices, engineering, consulting, industry, association, various public sectors, etc.) to drive change and develop new ideas. The MScG program also prepares students for further studies in the field of geodesy and geoinformatics.

The objective of the MScG program is defined as the approach to guarantee advanced training and specialized competencies through in-depth theoretical and practical knowledge in the field of Geodesy, Geoinformation, Earth, and Space Observation, as well as to enable students to conduct independent scientific research through the knowledge, methods, and techniques of scientific research.

The organization and development of teaching is a process that is followed, monitored, and controlled very carefully both for progress and in terms of quality. These methods tend towards the forms of teaching with the active participation of students and the structuring of their ideas with the joint contribution of lecturer and student. According to these methods, the lecturer is in the classroom, not only in the role of lecturer but also as a moderator and facilitator of the transfer of knowledge and the promotion of new ideas by students.

Standards 4.2. The MScG study program is in line with the National Qualifications Framework [K1] and the European Higher Education Qualifications Framework [K2]. The MScG program belongs to the seventh (7) level of qualifications with two years of full-time study. This program provides the basis for further progress in higher education studies. The current version of the program was created through the project funded by TEMPUS (completed in 2016) led by KTH Stockholm and partner universities such as the University of West Hungary, Aristhoteli University of Thessaloniki, Vilnius Technical University. So, the final version of the structure of the Master program modules has been designed with the involvement of 4 EU Tempus partners. As an important part of the program, Geoinformation science will help a lot in training students to apply their knowledge in different sectors, based on the management of information with spatial content. As such, external experts for program evaluation (see Report of the expert team, May 2019, attached to this SER) have assessed that: “the curriculum of the Master Program in Geodesy is well balanced, in line with contemporary international study programs and takes into account the needs that Kosovo faces due to recent developments and prospects”. Therefore, the MScG program, in terms of the teaching process, curriculum, meets the strategic objective of UP, being in line with international requirements.

Standards 4.3. Master's study program in Geodesy is composed of a group of subjects (see the following graphs), including all areas related to earth, space, and measurements that are performed to reflect these spaces in maps. Also, due to technological advances, this program includes distance measurements through GNSS satellites and those that realize images or laser scans (LIDAR). The processing of both textual and graphic geospatial data and their management through Web GIS has an important place in the content.

The MScG is a full-time, two-year (four semesters) study program that contains 120 credits (ECTS), with 60 credits each year. The program subjects are distributed over the years of study and are presented in the following tables.

Table 4. Information about the study program composition (MScG)

Year I						
Semester I			Hours/week			
Nr.	**M/E**	**Subject**	**L**	**E**	**ECTS**	**Professor**
1	M	Geodetic reference systems	2	2	6	Prof.asoc.dr. Perparim Ameti
2	M	Geospatial databases and data integration	2	2	6	Prof.ass.dr. Ismail Kabashi
3	M	Geovisualization	2	2	6	Prof.ass.dr. Bashkim Idrizi
4	M	Spatial data infrastructure	2	2	6	Prof.ass.dr. Ymer Kuka
5	E	Applied mathematics	2	2	6	Prof. dr. Abdullah Zejnullahu
6	E	Foreign language	2	0	3	Ardita Ibishi
7	E	Advanced digital photogrammetry	2	1	3	Prof.dr. Murat Meha
Semester II			Hours/week			
Nr.	**M/E**	**Subject**	**L**	**E**	**ECTS**	**Professor**
1	M	Global Navigation Satellite System (GNSS)	2	2	6	Prof.asoc.dr. Perparim Ameti
2	M	Advanced theory of error	2	2	6	Prof.dr. Murat Meha
3	M	Geoinformation science & spatial analysis	2	2	6	Prof.ass.dr. Bashkim Idrizi
4	M	Cadastral information systems	2	0	3	Prof.dr. Murat Meha
5	E	Land market economy	2	0	3	Prof.ass.dr. Ymer Kuka
6	E	GIS and remote sensing in environment	2	1	3	Prof.asoc.dr. Perparim Ameti
7	E	Virtual cartographic modelling	2	2	6	Prof.ass.dr. Bashkim Idrizi
Year II						
Semester III			Hours/week			
Nr.	**M/E**	**Subject**	**L**	**E**	**ECTS**	**Professor**
1	M	Physical geodesy and tectonics	2	2	6	Prof.asoc.dr. Perparim Ameti Ass.dr. Fidan Salihu
2	M	Earth observation	2	2	6	Prof.ass.dr. Bashkim Idrizi
3	M	Engineering measurements (including mining)	2	2	6	Prof.ass.dr. Ismail Kabashi
4	M	GIS project management	2	0	3	Prof.ass.dr. Ymer Kuka
5	E	Web GIS	2	2	6	Prof.ass.dr. Bashkim Idrizi
6	E	Agriculture Information Systems	2	0	3	Prof.asoc.dr. Perparim Ameti
7	E	Geoinformation systems in decision making	2	0	3	Prof.ass.dr. Ymer Kuka
Semester V			Hours/week			
Nr.	**M/E**	**Subject**	**L**	**E**	**ECTS**	
1	M	Diploma Work	2	2	6	

According to the status of the UP, for every 1 ECTS, 25 hours of study are calculated. An example of student workload calculations reflecting how 3 ECTS are assigned to a subject is shown in the table below.

Table 5. Example of determining student load

Activity	Teaching hours	Days/Weeks	Total
Lectures	2	15	**30**
Theory / Laboratory work / Exercises	1	15	**15**
Internships	6	2	**12**
Preparation for the intermediate test			
Consultations with the teacher	1	2	**2**
Field work	2	1	**2**
Test, seminar paper			
Home work	1	8	**8**
Individual learning (in the library or at home)			
Preparing for the final exam			
Assessment time (test, quiz, final exam)			
Projects, presentations, etc.	1	8	**6**
		Total	**75**

The composition of the subjects in the study program MscGj is divided into subjects from the field of Geodesy and space, Geoinformatics, Earth observation and natural sciences. As for the changes from the last accreditation taking into account the recommendations of accreditation experts and that these changes are less than 20% from the previous accreditation. The changes made contain:

- ✓ In the second semester the subject was GIS in Environment, while now it has been changed to GIS and Remote Sensing in the Environment, where integrated learning units from remote sensing with application in environmental monitoring, including disaster management. This change was made according to the recommendations of experts from the last accreditation, which required the inclusion of units from the field of remote sensing.
- ✓ In the third semester was the subject Advanced Image Processing and Remote sensing, while now it has been changed to Earth Observation. The syllabus of the course has remained almost the same, while several teaching units have been modified, including those from the field of Earth observation from space.
- ✓ According to the recommendation of experts, the course Engineering Geodesy has been modified and supplemented with teaching units from the LIDAR field, whereby also, the laboratory is also equipped with a laser scanner.
- ✓ Updates have been made in the syllabus of the course Geospatial Databases and data integration.

Students of the MScG study program during the study cycle have the opportunity to visit different companies in the field of geodesy, cadaster, GIS, photogrammetry, etc., to be informed with methods and technologies for land measurement for various purposes such as engineering, cadaster, environmental monitoring, etc. Study visits/stays are carried out in the framework of cooperation agreements between the FCE and local institutions (organizations) [T3].

The MScG program cooperates with companies, institutions, and public and private sector organizations and has signed cooperation agreements at the level of UP and FCE [T3]. These cooperation's aim at meeting the requirements of the research and professional level. Some of the cooperation agreements (of the last three years) that benefit MScG students for internships, research and professional benefits are listed below and are attached to this SER. For the description of these and other cooperation agreements refer to [T3].

- Memorandum of cooperation between Ministry of Culture, Youth and Sport and the University of Pristina "Hasan Prishtina", the Faculty of Civil Engineering regarding the assessment of the physical condition of damaged buildings within the memorial complex "Adem Jashari" in Prekaz, June 28, 2021
- Cooperation agreement between the University of Pristina, specifically the Faculty of Civil Engineering, and the Regional Water Company (RWC) "Pristina".
- Memorandum of Understanding and Cooperation between the Faculty of Civil Engineering, the University of Pristina, and the Institute "INKOS" JSC, January 8, 2019, etc. [T3].
- EC project GEOBIZ agreements
- Advisory board agreements

Upon successful completion of this program, students will be able to:

- Apply knowledge of geodesy and geoinformatics effectively and sustainably.
- Apply satellite, aerial, and LIDAR measurement and processing methods.
- Analyze and interpret spatial data related to the environment, geology, agriculture, disaster management.
- Identify, formulate, and solve earth and space observation problems by applying engineering, science, and mathematical principles.
- Communicate effectively with a range of audiences and interpret various and complex problems.
- Identify, formulate and solve specific problems in the field of cadaster and property rights
- Develop and conduct appropriate analysis, interpret data, and use engineering judgment to draw conclusions.
- Recognize the ways of implementing the national coordinate systems and geodetic datum's.
- Contribute to the planning, design, implementation, and supervision of various Geoinformation problems.

Standard 4.4. All courses included in the MScG program are described in syllabuses that students can access from the faculty website (can be found via the link: https://fn.uni-pr.edu/page.aspx?id=1.67). Syllabuses describe basic course content, course objectives, expected learning outcomes, teaching activities, teaching methodology, assessment methods, learning

outcomes, and basic and additional literature for the course. Syllabus descriptions for each subject in the MScG program are also physically attached to this self-assessment report. The course material is offered to students through SEMS or in hard copy. Finally, (as was the case during the pandemic), the material is also provided through the virtual platform Google Classroom.

Standard 4.5. Teaching in the MScG program is offered in Albanian. Based on the decision of the UP Senate, the academic unit can propose and organize lectures in other official languages. This is determined by the UP Statute (see Article 141) [S1].

Standard 4.6. The academic staff makes every reasonable effort to ensure that their student assessments reflect the true merit of each student. Given the long tradition of teacher education and mentoring in the FCE, the teacher-student relationship is considered a collaboration where everyone takes on the responsibilities of judging the desired outcomes and those achieved in learning. The teacher-student relationship at the UP is regulated through special legal provisions in the Code of Ethics of Academic Staff, Article 7 and Article 8 [T4].

Standard 4.7. The FCE and the MScG program are responsible for the academic progress of students, including student academic services. Specifically, how teaching is offered to students for each subject in particular in the program is mainly reflected in the syllabus of the respective subject. Teaching at the MScG has an educational and professional approach for each class in the curriculum and each group of students. Even if there are different groups of students in a class, the teaching is tailored for each group. This approach is in line with the statutory provisions as well as the Code of Ethics of Academic Staff, Article 8-point 4, which states that "the responsibility of teaching fails if discrimination is applied to different groups of students" [T4]. The MScG program applies such an approach thanks to the experience of teaching staff

Standard 4.8. Policies and procedures for ascertaining students' academic work are defined by the Statute of the UP, Articles 108 and 109 [S1], and by the Regulation for basic studies (Bachelor) [R5]. The faculty is responsible for organizing exams to assess knowledge and student assessments. The teaching staff determines the ways of student assessment according to the methods for determining academic success defined in the Statute of the UP. The methods that can be applied are: Exam, colloquium, seminar paper, professional practice and/or practical test during exercises. For each subject in the MScG curriculum, assessment methods are defined in their syllabus. The teaching staff presents the syllabus and assessment methods to the students in the first class. Syllabuses are also available on the FCE website for the MScG study program.

Standard 4.9. The standard of work required to achieve different grades is consistent and comparable in the curriculum subjects of the program. Assessment of various tests and exams is determined by the professor and is done points or as a percentage. However, students' final grade is expressed by grades (5 as insufficient; 6 as sufficient; 7 as good; 8 as very good, 9 and 10 as excellent) to describe the student's overall success level for the subject. The final grades are placed in the electronic student management system (SEMS).

Standard 4.10. When success is assessed with an insufficient grade for the first time, the student can be re-examined. In these cases, the student has the right to enter the same subject exam at most

three times. In case the student repeatedly fails or is not satisfied with the grade, then the student can act according to the procedures set out in the Statute of UP, Article 114 and Article 115 [S1]. If the student assessment results are consistently unsatisfactory, the professor engages in student-teacher communication to achieve the best learning outcomes. This communication takes place through consultations at the request of the teacher (in cases where the assessment of learning outcomes for several times are not satisfactory), or the request of the student (consultation for students with insufficient assessment or students dissatisfied with the grade), to eliminate learning shortcomings.

Standard 4.11. For some subjects, the curriculum of the MScG program includes practical work that is carried out in the field with the equipment possessed by the geodesy laboratory such as GNSS, Total Station, 3D laser scanner, UAV, levels, etc.

Standard 4.12. Practical work is also enabled in the framework of cooperative agreements between the FCE [T3] with the local institutions (organizations) (some of them listed in Standard 4.3.). The internship is carried out with the help of the advisory body [T5] within the FCE and invitations of companies, organizations, and/or institutions that want MScG students to do internships. Such invitations are always positive and sometimes lead to ongoing cooperation with the student or the academic staff for mutual educational and professional benefit.

SWOT analysis for the content of the learning process:

A. Strengths:

- The curriculum incorporates new methods and modern technologies.
- The program is developed in accordance with the current Bachelor program, as well as in full coordination with well-known European universities within (KTH, UWH, AUTH, VGTU).
- The program with rich course content and in accordance with SDG and INSPIRE directives.
- The curriculum responds to current market demands and is harmonized by debates with the industrial board.

B. Weaknesses:

- The program is not specific-field-oriented but includes the field of geodesy and geo-formation as a whole.

C. Opportunities:

- Flexibility to incorporate new ideas and concepts into the curriculum that emerge from the assessment process (ongoing).
- Development of laboratory capacities through research projects and other projects to establish this component.
- New study program composition in cooperation with the department of hydrotechnics and environmental engineering.

D. Threats:

- Restrictions due to COVID-19 and visa procedures can cause delays in exchanging academic staff and international projects.
- Acquiring the most advanced measurement and calculation technologies in the teaching and learning process.
- Increasing further scientific and technological capacities to advance this study program further.

Standard 5.1. Admission of students in the MScG program is done through a public call for taking the entrance exam at the Faculty of Civil Engineering (FCE). The admission criteria for the master level studies are specified in the public call, which the University of Pristina announces in coordination with each academic unit [R5]. In accordance with the provisions of the Statute of the UP [S1], the Senate is responsible for determining the number of candidates to be admitted in the first year, considering the number proposed by the Faculty Council for the MScG program.

Standard 5.2. The MScG study program is dedicated to candidates who have completed Bachelor's studies in a 3-year program with 180 ETCS. This group of candidates who are offered this study program must have completed Bachelor's degree in geodetic sciences. The Statute of the UP defines the conditions for the admission of students in Master's studies. At the level of UP, there is a Center for Career Development [T8], which among other things, aims to inform stakeholders about studies at the UP. However, the FCE, being aware of the number of students applying to study programs in general, and the MScG program in particular, has planned in the Strategic Plan [S3] to organize awareness campaigns for future students, publish information brochures, inform the labor market about the performance of the study program.

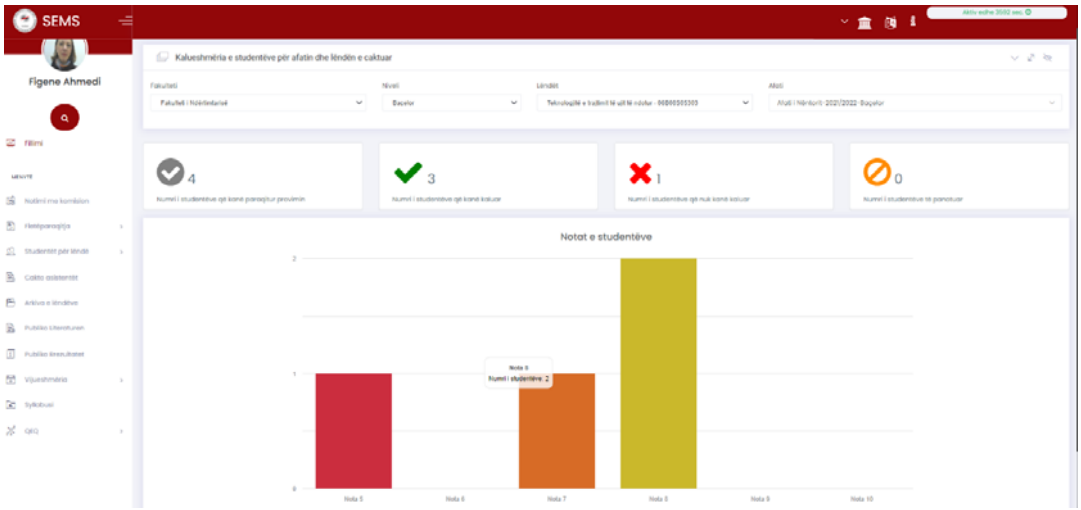
Standard 5.3. The number of current students in the FCE programs is presented in the Student Table attached to the appendix of this SER. The number of students enables teaching and learning to be developed effectively and interactively by activating all students and pushing for the increase of desirable outcomes in teaching and learning. According to the regulation that regulates the creation of student groups [R12], these groups differ across academic units. For the Faculty of Civil Engineering, the group of students for lectures is a minimum of 10 and a maximum of 70; for theoretical exercises, the minimum is 5 and the maximum 25 students; and for laboratory exercises, the minimum is 6, and the maximum is 12 students. This number of students in the group is valid for compulsory courses. The group number varies for elective subjects.

Standard 5.4. Students study according to the curriculum with subjects included in the MScG program and are subject to assessments according to the policies established by the FCE and the UP. The results of the assessments are provided regularly and transparently to the students for each subject. The final grade is placed in the electronic student management system (SEMS). If the student is dissatisfied with the assessment, the student may refuse the grade with the possibility of re-evaluating his/her academic performance in the following assessment. Mechanisms as in Standard 4.10 are applied to achieve the desired learning outcomes.

Standards 5.5. The results achieved by the students for each subject are stored in SEMS by the responsible teaching staff, printed as a physical application form, signed by the professor and archived in the FCE administration. According to the Regulation of studies, "the student cannot take the exams of the current year before completing those of the previous year" [R5]. Therefore, the results are archived for student service, administration, and management purposes. The SEMS system [R6] confirms that the student has fulfilled the obligations provided by the study program. This is done by the administrative staff, which records the exams passed in the semester and academic year and records the student's progress from year to year until graduation. At the end of the studies, the student works on the thesis that certifies the learning achievements and the application of the information obtained during the studies. Upon completing the MScG study program, the student receives the academic title "Master of Geodesy and Geoinformatics" (Subject Code 07.6).

Standards 5.6. According to Article 111 of the UP Statute, the FCE continuously announces three regular public deadlines, namely: winter (January), spring (June), and autumn (September). Additional deadlines are organized in the service of the FCE full-time students and graduate students. This is done to enable students to achieve the expected results in due time. Schedules for each exam deadline are announced by the FCE management, physically in the FCE "windows" and electronically on the FCE page, in the "Schedules". The academic staff and the students must adhere to the announced schedule for the exam. Studies at MScG last two years, within which the student must also graduate. However, the flexibility of policies set at the UP level allows the student to extend the graduation period. The UP Senate has issued a decision regarding the extension of the graduation period for bachelor, master and doctoral students [V2].

Standards 5.7. Students during their studies can be accessed via tests, colloquiums, laboratory work, field work, homework, and final exam (oral, written). The results of the assessments are stored by the professor and shown to the students. At the end of the course, the summary of the assessments (if mechanisms other than the final exam are used) is graded in SEMS. Through SEMS [R6], a statistical report is generated, reflecting students who passed and those who failed. From this statistical report, teaching staff reflects on the achievement of objectives during the teaching process. As mentioned in Standard 2.4, the learning outcomes elaborated through the statistical report play an important role in raising the quality of the program. An illustration of students' passing in a given subject, generated by SEMS with a separate account for each teacher, is presented in the following graph.



Graph 1. reflecting the number of students who took the course, those who passed and those who failed

Standards 5.8. Through the Research Cult project, the UP has provided access to the Plagiarism check software, a system that is used by staff to help detect plagiarism, especially for master's degree thesis. However, to protect against falsified (fabricated) results, copies and, possible suspicions of the student's academic work, there are commissions within the academic unit (ethical and disciplinary) through which any violation of this kind is prosecuted. Also, for procedures and disciplinary responsibilities for the UP students, there is a special regulation [R11] issued by the UP.

Standards 5.9. The UP Statute (which is a public document on the university's website) provisions define the rights and obligations of students. At the UP level, there is a student parliament [R11], while at the faculty level there is a student council [T7]. Students representing these bodies are involved in promoting and protecting the interests of students, developing the quality of learning and assessments in accordance with the Statute of UP, and in terms of UP and faculty reforms as well as academic developments in the interest of students. Generally, these bodies are in the service of the students' interests who are represented within the UP and the faculty. The Center for Career Development (CCD) aims to provide personal and professional development opportunities through information, counseling, training, mediation with the employer, providing academic advice, and other activities. Information on activities that both, students and graduates, can participate is sent by e-mail to the MCD [T8]. The FCE also has an e-Career page [T9] within this center, which informs students about the latest information about training, internships, fairs, and other activities.

Standards 5.10. Student transfer is regulated based on Article 142 (Change of direction of studies) of the Statute of the UP [S1]. This Statute also regulates the procedures for recognition and transfer of ECTS credits from other institutions and within the UP units. Relevant documents (tuition agreement, transcript of grades, diploma supplement) are used for recognition and transfer.

The cooperation of the University of Pristina with other universities in scientific and educational programs gives the Faculty of Civil Engineering has the opportunity to get scholarships for studies

in any field of interest at all study levels: bachelor, master, or doctorate. From these cooperation programs, either from the UP [T2] or the FCE [T3], the MScG program students have benefited and continued master studies abroad. Through the ERASMUS + Mobility program of the European Commission, interested students have been offered mobility scholarships at International Universities. During the academic year 2019/2020, two students from the Bachelor level have completed one semester at the University of Munich and Milan.

Some of the students of the BScG program selected as scholarship recipients have continued their studies in the next cycle, master studies, in different universities throughout Europe:

- The Polytechnic University of Milan, Italy.
- TU Delft
- The Technical University of Munich

Standards 5.11. The FCE academic staff is obliged to provide consultations at least twice a week for one hour for student services related to teaching and learning in the MScG program. This consultation schedule is sometimes exceeded in cases of mentoring for thesis, research, or the need of the student/teacher to achieve a satisfactory assessment result. During the pandemic (COVID-19), consultations are also offered virtually through the GoogleMeet platform. Guidelines for the development of academic activities during the pandemic are defined by a decision issued by the University of Pristina [V3].

For information on scientific achievements, students have access to the Science Direct digital library of the renowned publishing house - Elsevier (see Science Direct Page, UP Website: https://www.uni-pr.edu/). From December 2018, students have the opportunity to find electronic materials in the National Central Library through the LibApps platform created by the University of Pristina within the Erasmus + project, "Library Network Support Services". These materials are available through the link Home - Central University Library - LNSS Platform at LNSS Western Balkans (libguides.com).

SWOT analysis for students:

A. Strengths:

- Information through various mechanisms for content and academic development in the FCE programs.
- Student activities within the curriculum are compatible with activities in the international curricula.
- Access to scientific journals through the Science Direct digital library provided by the UP.

B. Weaknesses:

- Student mobility abroad
- Small space in the physical library of the faculty.

C. Opportunities:

- Further student mobility through research projects.
- Access to digital libraries.

D. Threats:

- Difficulty in learning and working in laboratories due to pandemics (COVID-19).
- Stagnation of student mobility due to budget and pandemic.
- Exchange of students with Universities outside Kosovo due to bureaucratic visa procedures.

2.3 Research

Standards 6.1. The University of Pristina in the Strategic Plan [S2] has initiated the promotion of scientific/artistic research. Indeed, the University of Pristina has recently approved the Regulation on financial support for research. This regulation stipulates that at least 1% of the annual budget of the UP should be dedicated directly to the advancement of the research and scientific component in the UP (Point 1 on the table below). However, the FCE has advanced with scientific research supported through international grants, programs, and projects.

Efforts to bring new scientific projects continue and are FCE's strategy for sustainable quality. Thus, the FCE (Department of Geodesy, Geoinformation, Earth, and Space Observation) has already applied with a project proposal to the EC program "HORIZON-WIDERA-2021-ACCESS-02" (Acronym: RS4LAWA; Number: 101059976; Duration: 36 months). In this context, the FCE has requested a research budget that will support the scientific research component in the FCE. Beneficiaries of this budget will be all FCE study programs.

Standards 6.2. The teaching staff of the MScG program is selected through policies developed by the University of Pristina. This means that in addition to other required criteria, they also meet the criteria of research, scientific, and professional activity based on the principles of recognition of international platforms and peer-reviewed journals. Details are found in the Regulation on selection procedures related to the appointment, reappointment, and promotion of academic staff at the University of Pristina [R2] (see the CVs in the link: University of Pristina (uni-pr.edu), or the table “List of works and scientific projects” attached as an appendix to this SER).

Standards 6.3. The policies for the advancement of teaching staff are based on international peer-reviewed research indexed databases such as Science Citation Index Expanded, Social Sciences Citation Index, and Arts & Humanities Citation Index, through the Web of Science and Scopus (Elsevier) platforms. Research varies from field to field, and as such, they use either data obtained in laboratories (be it the FCE laboratory or self-modeled as physical models) or data required by relevant institutions.

Standards 6.4. The academic staff focuses their research on the field of their study. For example, a professor whose field of interest is the application of GIS and sensation from a distance (teaches in the MScG program) has focused his research on the same area. Or a professor of satellite measurements GNSS and others (see the CVs in the link: University of Prishtina (uni-pr.edu), or the table "List of scientific works and projects" attached as an appendix of this SER).

Standards 6.5. The academic staff of the FCE publishes the research in local and international scientific journals (which meet the conditions as defined in the Regulation for appointment, reappointment, and promotion of the academic staff of UP), in book chapters, at congresses, conferences, symposia, seminars, and workshops locally and internationally.

Standards 6.6. There is research related to local data (existing or current) which is monitored in the FCE laboratory or in the laboratories of institutions with which the FCE has cooperation agreements. In this case, those data are validated to see if the results had errors during the analysis. This truth is also achieved by the experience of teachers in the developed practical professional work. When research is concerned with comparability or review of literature related to a particular issue, it is validated through scientific and applied research publications. The MScG staff and students conduct research directly related to practical use or is closely related to market needs and social interest. The research, which includes the teaching and learning part, is mainly focused on several areas, such as:

- Definition of geodetic reference systems.
- Application of GIS in land use, environment, agriculture, forestry, etc.
- Definition of different soil models.
- Deformation analysis using satellite techniques
- Photogrammetry and analysis with remote sensors
- Digital mapping.

Standards 6.7. The academic staff at the FCE, has an obligation to publish a certain number of research papers (at least one paper per year, for three years) in order to increase the academic quality. Continuous efforts are made to increase the number of quality publications.

Standards 6.8. The academic staff of the FCE includes the name of the University of Prishtina, respectively of the Faculty of Civil Engineering, in their published work. Only articles that are affiliated with the UP have the right to receive financial support from the UP (Regulation for financing scientific, artistic, and sports research activity at UP).

Standards 6.9. To increase the performance in learning, the teaching staff continuously integrates the practical professional experience in the lectures and informs the students about research works (as case studies) developed and published in magazines or conferences. Teacher research enables the 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.

Standards 6.10. The UP Senate is responsible for developing the UP intellectual property protection policy and its commercial use. According to the staff's rights and responsibilities (provision of the Statute of UP): academic staff has the freedom to publish the results of their research and creative work, which is conditioned by the regulations of this Statute relating to the use of intellectual property rights for the benefit of the University [S1]. The issues related to the violation of copyrights and ethics in scientific publications or the trusted public funds are misused

for personal gain or in the interest of other persons, are regulated by the Regulation on disciplinary measures and procedures against the academic staff of UP. [R8].

Standards 6.11. Many MScG students continue to be part of various activities after they complete their studies. Below are listed a few activities:

- Some students are expected to be involved in the project with which the FCE, i.e. the Department of Geodesy has applied in the program "HORIZON-WIDERA-2021-ACCESS-02" (Acronym: RS4LAWA; Number: 101059976; Duration: 36 months). The evaluation results of project proposals are expected to be communicated in January 2022.
- Practical work with the GIZ-Kosovo project.
- Practical work in the Kosovo Cadastral Agency.
- Companies licensed for geodesy, GIS application, and cartography.

In addition to the practical work during the studies, these activities have allowed students to establish contacts with employees and experts of institutions, companies, and organizations. This network of professionals has enabled MScG students to significantly increase their chances for employment.

The MScG program concludes with the work of the diploma thesis, which is mainly individual research work. The thesis can be an individual effort or a group effort for research in a specific field. Part of the research can be conducted in cooperation with any relevant institution related to the topic. The cooperation between the student and the institution is facilitated by the advisory body or through contacts the students build during their practical work.

SWOT analysis for research:

A. Strength:

- The current academic staff has active international experience based on scientific exchanges and cooperation agreements in research projects.
- Progress of papers published in journals indexed in databases of trusted platforms.
- Access to scientific journals through the Science Direct digital library provided by the UP.
- The possibility of using well-equipped laboratories for scientific research.

B. Weakness:

- Lack of time allocation (Normative), or working hours at the institutional level for educational activities (teaching), research-scientific-professional, institutional development, and community service.
- The UP policies and insufficient budget for research do not encourage research and publications

C. Opportunity:

- International cooperation in projects offered by the EU (especially those dedicated to the Western Balkans).
- Creating opportunities for publications through joint research projects.

- Involvement of young students and scientists in research projects.
- The cooperation of the FCE with local and international institutions.

D. Threats:

- Self-financed or sponsored (through various programs/grants) research projects
- Budget cuts decrease participation in research projects.

1.1 Infrastructure and resources

Standards 7.1. The Faculty of Civil Engineering is one of the academic units within the University of Pristina, which shares the space with two other academic units: The Faculty of Electrical and Computer Engineering (FECE) and the Faculty of Mechanical Engineering (FME). All three academic units operate in a common space identified as the "Technical Faculty" or the "Technical Campus". The three academic units (FCE, FECE, and FME) of the UP divide the space proportionally. The total area belonging to the Faculty of Civil Engineering is about 8,600.00 m^2. This area includes common communication spaces (corridors, stairs, toilets, libraries, warehouses, etc.), amphitheaters, classrooms, teaching staff offices, administration offices, IT offices, management offices, and other ancillary spaces 5,156.00 m^2. Meanwhile, the construction laboratories within the campus and which are very close to the Faculty of Civil Engineering building, have a total area of 3,369.00 m^2. Laboratory of geodesy, geomechanics, materials and asphalt, and hydrotechnics and environmental engineering are laboratories for learning needs for which capital investments have been made. The MScG study program uses four laboratories: two computer labs located in the main building of the Technical Faculty and two others inside the already renovated building. These labs are equipped with the most modern measuring geodetic equipment, including Lidar, UAV and important software for processing geodetic, cadastral, and GIS data.

The spaces that belong to the Faculty of Civil Engineering from the proportional division with the other two faculties (FECE and FME) are the building level 500 with 9 classrooms, 13 teaching staff offices, common communication spaces - corridors, toilets, storage computer lab etc. This level of the building includes the library of the faculties.

Level 400 includes the common areas of the faculties - large corridors, toilets, warehouses, etc. Most of the FCE administration, student services, secretariat, management offices, and amphitheaters (415 and partly 408) are located at this level. This level also includes the main entrance to the building.

Level 300 includes classrooms, offices of the FCE administration where the activity for student services takes place, IT office, corridors, stairs, toilets, etc.

Level 700 includes teaching staff offices and common areas. Each full-time teacher at FCE owns his office with all the necessary interior (desk, necessary work equipment, computer, printer, telephone). Each office also has a water system installed.

More detailed data on the designation of the spaces is presented in the table "Spaces and equipment", attached as an appendix of this SER.

Standards 7.2. The budget planning for the Faculty of Civil Engineering, which includes the MScG program, contains the financial plan that covers the expenses for staff employed in the FCE (academic staff, administration, associates) and the expenses for other economic categories. They are presented in the following table, “Budget plan and financing for FCE”, attached as an appendix of this SER.

Standards 7.3. All spaces the Faculty of Civil Engineering uses are property of the UP. The Faculty of Civil Engineering does not rent any space. Although the campus of the Technical Faculty is used by three faculties: The Faculty of Civil Engineering (FCE), the Faculty of Electrical and Computer Engineering (FECE), and the Faculty of Mechanical Engineering (FME), each faculty uses 1/3 of the total space. Spaces that cannot be divided proportionally are utilized by rotation.

Both laboratory facilities and laboratory equipment are the property of the University of Prishtina. The UP invests on an annual basis to repair and functionalize the spaces. In 2018, investments were made in the arrangement of the premises in the part of the Laboratories (part of geodesy and other laboratories). Such investments are currently underway (2021) to renovate the hydrotechnics and environmental engineering laboratory. The servers and software owned by the FCE are licensed. The FCE has a database server (from the grant of the project "InWaterSense") and a server of the geodesy department (from the donation of the UP). Software owned by the FCE include: GIS software (ArcGIS), aerial and satellite image processing software (Erdas Imagine), and GNSS measurement processing (TTC) software. In 2021 through the project GEOBIZ (Erasmus +) we have benefited a Drone equipped with cameras, GPS, and a Laser Scanner device.

The library in the building has reading rooms and literature but does not meet the needs of the FCE students. Therefore, it is essential to increase the capacity of the current library or eventually build a new facility - the Technical Library. The FCE possesses adequate documents for all utilized facilities and laboratory equipment. More detailed data on the equipment and their quantity are presented in the table "Spaces and equipment", attached as an appendix of this RVV.

Standards 7.4. The Faculty of Civil Engineering possesses a considerable area of teaching halls and laboratories, which have sufficient capacity for student seats. Comparing the number of active students in the FCE (total number of students in all study programs), about 1231, in with the total area of the facility belonging to the FCE is 5,156m2/1,231, translates into roughly 4.18 m^2 space per student - which is a good indicator of performance.

Standards 7.5. The library has space for at least 10% of the total number of students in the MScG program. The reading room has 180 seats. Although this number of seats meets the needs for the MScG program, it is insufficient to meet the needs of all FCE programs. Group workrooms have capacity to accommodate around 10% of the students from a single FCE program. Thus it is more than necessary to expand/increase the library's capacity to accommodate the needs of students of all study programs in the FCE.

The library of the technical facility has a considerable number of books and magazines in Albanian and English. Yet, there is a lack of new professional texts (recent literature on areas inclusive in FCE programs).

Standards 7.6. The FCE and two other technical faculties (FECE and FME) are constantly adapting the infrastructure and facilities for students with special needs. The ground floor and the main entrance of the building are accessible to people with special needs, while the three floors of the building are accessible via a modern elevator.

The campus offers conditions that meet the basic needs of academic units (calculating the time of use of the facility from the beginning of use 1982 until today - 39 years). Over the last five years the management has invested in the campus in order to improve working conditions and facilities. It is worth mentioning the improvement of heating and the operation of the heating network, which has significantly contributed to the improvement of conditions for normal teaching in classrooms. World Bank investments in 2018 on energy efficiency program improved the thermal facade and windows of the building.

The UP invests on an annual basis to repair and functionalize the spaces. In 2018, investments were made in the arrangement of the premises in the part of the laboratory building (part of the geodesy laboratory), while this year, a part of the laboratory of hydrotechnics and environmental engineering is being renovated. The maintenance and security for the FCE facilities are provided by the companies that are contracted by the UP.

SWOT analysis for infrastructure and resources:

A. Strength:

- Sufficient space to perform the learning process.
- Laboratories with sophisticated equipment for measuring, processing, and interpreting data.
- Opportunities in the ScienceDirect digital library.

B. Weakness:

- Insufficient space for a physical library.
- Lack of textbooks in the library.
- Lack of relaxation and recreational areas for students.
- Lack of staff - laboratory technicians.

C. Opportunities:

- Expand international cooperation for research and teaching to supply the library with books and laboratories with equipment.
- Increase the accessibility of digital platforms by Students-E library.
- Improve the quality of maintenance of the spaces for the learning process.
- Expansion of high technology laboratories (UAV.)

D. Threats:

- Budget cuts can create difficulties in maintaining the current infrastructure and creating additional space.

3 EVOLUTION AND DEVELOPMENT OF LATEST TIMES RECORDED SINCE PREVIOUS EVALUATION

Recommendation of the Expert Team in the previous External Review Report	The solution that the provider has implemented in addressing the recommendation	Other relevant comments
1.1 Mission, objectives, and administration - Fully completed		
The research dimension of the program's mission should be reflected in clearer and more concrete actions.	The mission of the Faculty of Civil Engineering (FCE) continuously follows the Strategic Plan of the University of Pristina (UP), which aims to promote scientific research for the academic staff and students. The University of Pristina has recently approved a regulation on financial support for research. This regulation stipulates that at least 1% of the annual budget of UP should be dedicated directly to the advancement of the research and scientific component in the UP. According to the Strategic Plan, in the framework of the objective to increase research results, the UP also supports the acquisition of research / scientific grants through national funding agencies and private and public institutions. In the framework of this plan, the FCE also aims to increase the results of scientific research by reporting on an annual basis on the results achieved.	Ongoing UP Management, FCE Management and Head of Department.
Include in the SER a list of titles and a brief summary of existing English regulations and guidelines.	The SER of the academic year 2021/2022 has already considered and implemented this recommendation.	Ongoing UP Management, FCE Management and Head of Department.
1.2 Quality management - Basically accomplished		
Quality assessment should be publicly accessible. A website could be a quality management tool.	Quality assurance at the FCE relies on the UP quality assurance instruments. The Student Assessment Survey provides quality assessment for courses, teaching staff, and administration found in the Student Assessment Guide and the use of their results. In order to control the academic activities developed by the academic staff, an anonymous questionnaire formulated by the Rectorate, completed by students, is also used. Through these questionnaires, both the academic staff and the subject are evaluated. The services, infrastructure, the administrative and support staff of the UP are also evaluated. In these questionnaires, the student has the opportunity to give his / her assessment for	Consistently. UP Management, FCE Management.

	each subject in particular, including the assessment for the teaching staff. Assessment of learning as a quality parameter is derived from a statistical report that is generated by SEMS. This report presents the students who enrolled and those who passed. From this statistical report, academic staff reflects on the achievement of objectives during teaching and learning.	
1.3 Academic staff - Basically accomplished		
A tabular presentation of staff including all necessary specifications according to Standard 3.1 should be included in the SER.	The SER of the academic year 2021/2022 has already considered and implemented this recommendation. Now in the SER, Standard 3.1. The Table "Profiles of teaching staff involved in the MScG program" is included.	Ongoing UP Management, FCE Management and Head of Department.
Evaluation of the academic staff to be publicly accessible.	Recently (November 2021), the UP held a two-day workshop, where the management of the UP and HERAS + (international experts) discussed the possibility of developing and implementing a guide for measuring the performance of the UP academic staff. This guide would include the performance appraisal card in four key areas to the UP: teaching, research, institutional development, and community service (see link: https://uni-pr.edu/page.aspx?id=1,37,1510). Today, the academic staff of the MScG program, as well as the entire staff of the FCE, is subject to self-assessment and questionnaires by the academic staff (as required in the Forms of the Evaluation Commission for the Appointment of Academic Staff in the Higher Education Institution, found in the regulation on staff appointment and promotion), including staff evaluation for educational activities (teaching, organizing study visits, inviting visiting lecturers, literature and mechanisms for the proper assessment of students), for research, scientific and professional activities (publications in scientific journals with international reviews, participation in scientific conferences, participation in research projects, scientific and professional, reviews in academic and professional journals) as well as for service activities for the UP, the FCE and the community (tasks assigned by the UP, the FCE, or voluntary tasks).	Consistently. UP Management, FCE Management.
1.4 Content of the educational process - Fully completed		
In the Geodesy MSc program the inclusion of 3D scanning technology and remote sensing theory should be considered in the future.	3D scanning technology is included in the course Engineering Geodesy (including mining), where the syllabus of the course has	

	been improved, and now it includes 3D laser scanning. Remote sensing is included in the subjects: a) GIS in the environment and remote research, and b) Earth observation	
1.5 Students - Fully completed		
Develop a set of qualitative indicators referring to the registration of the course completion rate and the student program.	It is the basic study level (Bachelor) decision that defines students' progress policies. Adhering to this decision, the FCE administrative staff records the student's progress from year to year until graduation. According to the decision on the conditions of enrollment for the following year of basic studies (Bachelor), students can enroll in the second year of studies if they have completed 60% of the courses of the first year of studies. Similarly, they can register for the third year of studies if they have completed 50% of the courses of the second year of studies.	Consistently. UP Management, FCE Management.
Develop an action plan to reduce dropout rates and increase the number of graduates.	So far, there are no dropouts in the MScG study program. The FCE strategy envisages the initiative for sustainable development of the performance of study programs by increasing the number of students in FCE. However, the FCE, being aware of the number of students applying to study programs in general, and the MScG program, in particular, has planned in the Strategic Plan [S3] to organize awareness campaigns for future students, publish information brochures, inform the labor market about the performance of the study program. The FCE has already applied these processes in the academic year 2021/2022, resulting in a positive call for candidates to enroll in the FCE programs. According to Article 111 of the UP Statute, the FCE continuously announces three regular public deadlines, namely: winter (January), spring (June), and autumn (September). Schedules for each exam deadline are announced by the FCE management, physically in the FCE "windows" and electronically on the FCE page, in the "Schedules". Additional deadlines are organized in the service of the FCE full-time students and graduate students. This is done to enable students to achieve the expected results in due time. Another important component in the service of students (in order to promote studies at UP) is	Ongoing UP Management, FCE Management and Head of Department.

	the Center for Career Development (CCD) which aims to provide personal and professional development opportunities through information, counseling, training, mediation with the employer, providing academic advice, and other activities. Information on activities that both students and graduates can participate is sent by e-mail to the CCD. The FCE also has an e-Career page within this center, which informs students about the latest information about training, internships, fairs, and other activities.	
Develop incentives to encourage students to complete their studies on time and receive their diplomas upon completion of the program as per the regular period.	The previous experts have assessed that "the proposed curriculum allows enough time for students in the last semester (semester VI) for independent work and finalization of study." Questions about preliminary recommendations regarding the completion of studies also encourage students to complete their studies on time. However, the regulation for bachelor studies has recently been modified, and it is expected to be approved by the UP Senate. This (modified) regulation makes it easier for the student to complete the diploma thesis within the study period.	Ongoing UP Management, FCE Management and Head of Department.
1.6 Research - Basically accomplished		
Create a more detailed strategy and development plan for the faculty, specifying the involvement of each department, emphasizing cooperation and possible synergies. Each study program should be included in the research development plan, giving specific and realistic direction.	The strategic objective of the FCE, among others, is the advancement of scientific research and research at the international level. The FCE (the Department of Geodesy) has already applied with a project proposal in the program "HORIZON-WIDERA-2021-ACCESS-02" (Acronym: RS4LAWA; Number: 101059976; Duration: 36 months). This project is based on the cooperation between the students and the departments of Geodesy and Environmental Engineering. By the end of 2021, the UP allocates the research budget for each academic unit. In this context, the FCE, in coordination with the departments, is demanding a well-planned budget, which will support the scientific research component in the FCE. Beneficiaries of this budget will	Ongoing UP Management, FCE Management.

	be all FCE study programs with a project plan.	
Faculty management should effectively support departments and staff to create and carry out (implement) scientific projects based on the research development plan. *The faculty should develop publishing strategies within the framework of the research strategy. While AKA standards emphasize publishing activity, faculty should consider this as a strategically important issue in future re-accreditation procedures.*	Based on the strategic initiative of the FCE [S3], which is related to increasing the capacity for scientific research through international institutional cooperation, which aims to implement during the period 2021 - 2023, this year (2021), academic staff and the FCE departments are beneficiaries of a cooperation agreement signed by UP and the Swiss Agency for Development and Cooperation (SDC) as the funder of the program to implement the Master of Studies (MSc) program "Integrated Management of Water Resources in Kosovo". In this context, the program implementation project also has the research component with local (Institutions from the UP and outside of the UP) and international partners (see link: https://uni-pr.edu/page.aspx?id= 1.37.1488) The FCE staff adheres to the provisions on the regulation on the appointment and promotion of academic staff that define the platforms for publication of papers and research.	Ongoing UP Management, FCE Management.
1.7 Infrastructure and resources - Partially met		
Improve library conditions	During the period 2021 -2023, the FCE plans to increase the number of seats in the library and the conditions of the library, including the library and reading rooms.	Ongoing UP Management, FCE Management.
Create a strategic action plan to adapt the infrastructure and the facility for students with special needs.	The FCE and two other technical faculties (FECE and FME) are constantly trying to adapt the infrastructure and facilities for students with special needs. The ground floor and main entrance of the building are accessible to people with	Ongoing UP Management, FCE Management.

	special needs, while the three floors of the building are accessible via a modern elevator.	

4. LIST OF REFERENCES

UNIVERSITETI I PRISHTINËS
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Dekani
Prof.Ass.Dr.Florim Grajçevci **Ref. nr._____** **Prishtinë_____ 2022**

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

5. APPENDICES

5.2. Students - data

Table 1. Number of current students in FCE Programs

	Bachelor			Master			Total		
	total	W	M	total	W	M	total	W	M
Construction	582	123	459	125	25	100	707	148	559
Hydrotechnic	142	35	107	55	21	34	197	56	141
Geodesy	180	37	143	51	20	31	231	57	174
Envinromental Engineering	87	60	27				87	60	27
Road Infrastructure				6	6	0	6	6	0
TOTAL	**991**	**255**	**736**	**237**	**72**	**165**	**1228**	**327**	**901**

Table 2. Number of students and graduates in the last three years

	Year	BACHELOR		MASTER	
		Students	Graduated	Students	Graduated
CONSTRUCTIVE	2019	109	72	24	14
	2020	77	59	31	20
	2021	97	66	39	15
	Year	BACHELOR		MASTER	
		Students	Graduated	Students	Graduated
HZDROTECHNIC	2019	26	42	14	3
	2020	16	14	7	8
	2021	17	31	20	9
	Year	BACHELOR		MASTER	
		Students	Graduated	Students	Graduated
GEODESY	2019	38	63	19	1
	2020	51	34	20	2
	2021	38	20	19	5
	Year			MASTER	
				Students	Graduated
ROAD INFRASTRCTURE	2019	0		0	2
	2020	0		0	5
	2021	0		0	1
	Year	BACHELOR			
		Students	Graduated		
ENVIRONMENTAL ENGINEERING	2019	7	7		
	2020	25	11		
	2021	16	20		

Table 3. Number of drop-out students for the last three years in FCE

The level of studies	2017/18	2018/19	2019/20	2020/21
Bsc level	23	15	19	7
Master level	4	2	0	0
PhD level				

Table 4. FCE Infrastructure, buildings areas

	DESTINIMI I HAPËSIRËS	SASIA	SIPËRFAQJA (m2)
1	CLASSROOMS	21	1,450.00 m^2
2	LABORATORY	5	1,780.00 m^2
3	AUDITORIUM	2	508.00 m^2
4'	ACCOMPANYING THE LABORATORY SPACE (lab, classroom*, warehouse)	6*	1,589.00 m^2
4	CABINETS	26	379.00 m^2
5	ADMINISTRATION	8	182.00 m^2
6	COMPUTER ROOMS	3	240.00 m^2
7	Corridors + toilets + auxiliary space		2,397.00 m^2
SUBTOTOTAL AREA FOR DEPARTAMENTS (THE BUILDING OF FCE AND LABORATORIES)			**8,525.00 m^2**

Table 5. FCE Infrastructure, concretization equipments, Laboratories

	EQUIPMENTS	Quantity
1	PROJECTORS	24
2	CONCRETISATION ASSETS	54
3	LAB EQUIPMENTS (I-building materials)	150
4	LABORATORY EQUIPMENTS (II-tarmac)	32
5	LABORATORY EQUIPMENT (Hydrotechnics)	20
6	LABORATORY EQUIPMENT (Msc Geodesy)	40
7	LABORATORY EQUIPMENT (Energy efficiency)	20
8	LABORATORY EQUIPMENT (III-geomechanics)	70

Tabela 6. Infrastruktura e FN-se, Librat e evidencave, libra tame.

	BOOKS	SASIA
1	BOOK REGISTERS	>150
2	ELECTRONIC BOOK REGISTERS	100

Note: Since 1961 the Faculty of Civil Engineering organizes studies for different levels and in each generation of students are the notes stored in our books. In our records there are more than 150 archived register books. All register books this year (2021/2022) have started to be scanned and stored as electronic documents.

Table 7. IT FCE Infrastructure

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

5.3. Budget Plan and Financing for FCE

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 th ree years:

Table 8. Financial chart budged of FCE thru the past time period

STAFF / SALARY AND WAGES	Approved Employee Number 2019	Budget Planning for 2020		Budget Planning for 2021		Budget Planning for 2022	
Full Professor	3	7	267,201	8	293,921	9	323,314
Associate Professor	6	8	119,924	9	131,917	10	145,108
Assistant Professor	10	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 €

Table 9. Budget chart of FCE

EXPENSES IN OTHER ECONOMIC CATEGORIES	Budget Planning for 2020	Budget Planning for 2021	Budget Planning for 2022
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 €**

5.4. The structure of Appendices in an electronic format

UP-FCE-2022 (*Main folder*)

1_Documents

01-Annex-First page-Application

02-1-SER-UP-FCE-riaccreditation-Environmental Engineering

02-2-SER-UP-FCE-riaccreditation-Geodesy

03-Annex-FCE-Quality improvement plan

04-Annex-Work and scientific projects

05-Annex-Cooperation Agreements

2_CV

CV-BSc Environmental Engineering (*CV's of the Teaching staff in the Program*)

CV-MSc Geodesy (*CV's of the Teaching staff in the Program*)

3_Syllabuses

Syllabuses- BSc Environmental Engineering (*of all Courses in the Program Curriculum*)

Syllabuses- MSc Geodesy (*of all Courses in the Program Curriculum*)