



Assessment Report

**for the Application of
the European University of Lefke, Northern Cyprus
Faculty of Pharmacy
for the Accreditation of the Study Program "Pharmacy (M.Pharm)",
Bachelor of M.Pharm**

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Decision	18.09.2023

Inhalt

1	Introduction.....	4
2	Information about the University	7
3	Overview	8
	3.1 Procedure-related documents	8
	3.2 Structural data of the study program	9
4	Expert Report	10
	4.1 Program aims and their implementation.....	11
	4.2 Structure of the study program	15
	4.3 Admission and Feasibility	21
	4.4 Examination system and transparency	23
	4.5 Teaching staff and material equipment.....	25
	4.6 Quality assurance.....	29
	4.7 Gender equality and equal opportunities	31
5	Conclusion	32
6	Decision of the accreditation commission.....	35

1 Introduction

The Accreditation Agency in Health and Social Sciences (AHPGS) is an interdisciplinary and multi-professional organization. Its mission is to evaluate Bachelor and Master' programs in the fields of health and social sciences, as well as in related domains such as law or economics. By conducting accreditation and recommendation procedures, the AHPGS contributes to the improvement of the overall quality of teaching and learning. However, the higher education institutions remain responsible for implementing the quality assurance recommendations made by the AHPGS. Since 2004, the AHPGS has been a member of the European Consortium for Accreditation (ECA). In 2006, the AHPGS also joined the ENQA and became a member of the International Network for Quality Assurance Agencies in Higher Education (INQAAHE) in 2009. Since 2012, the AHPGS has been a member of the Network of Central and Eastern European Quality Assurance Agencies in Higher Education (CEENQA). Furthermore, the AHPGS has been listed in the European Quality Assurance Register (EQAR) since 2009.

In carrying out accreditation procedures, the AHPGS follows the requirements of the Standards and Guidelines for Quality Assurance in the European Higher Education Area (ESG). In the present case, the decision regarding the accreditation of the study program is carried out by the AHPGS Accreditation Commission based on the following accreditation criteria¹:

1. Program aims and learning outcomes
2. Curriculum design
3. Personnel
4. Facilities and learning resources
5. Study process and student assessment
6. Program and quality management

¹ Approved by the AHPGS Accreditation Commission

I. The University's application

The AHPGS verifies the sufficiency of the documents submitted by the University, namely the Self-Evaluation Report and its corresponding annexes. These are to fulfil the assessment spheres as well as the AHPGS standards. With these information, the AHPGS produces a summary (see Sections 2-5), which is to be approved by the University and subsequently made available for the expert group, together with all other documentation.

II. Written review

The main documents are reviewed by the expert group assigned by the accreditation commission of AHPGS. This is done in order to verify the compliance of the study program with the applicable accreditation criteria. Consequently, the experts comprise a short summary regarding the study programs.

III. On-site visit (peer-review)

The experts carry out an on-site visit at the University. During this visit, discussions are held with members of the University, which include University and department administration, degree program management, teachers, and students. These discussions provide the expert group with details about the study program beyond the written documents. The task of the experts during the on-site visit is to verify and evaluate the objectives of the program and its projected study results, its structure, staff, material resources, course of studies, methods of assessment (selection of students, assessment of achievements, students' support), as well as the program management (program administration, external assurance of study quality).

Following the on-site visit, the expert group writes the expert report. This report is based on the results of the visit, the written review of the study programs, and the documents submitted by the University. Finally, the report is made available to the University for the opportunity to issue a response opinion.

The expert report as well as the University's response opinion – together with the provided documents – is submitted to the accreditation commission of the AHPGS.

IV. The AHPGS accreditation decision

The accreditation commission of the AHPGS examines the documentation made available in the process of application, namely the University's self-evaluation report, its annexes, the summary comprised by the AHPGS, the expert report, as well as the University's response opinion. These documents represent the foundation for the commission's decision regarding the recommendation for accreditation of the study program. Consequently, the decision – together with all other documentation – is forwarded to AHPGS Accreditation Commission for it to reach a decision regarding the accreditation of the study program.

2 Information about the University

The European University of Lefke was founded in 1989 by the Cyprus Science Foundation and opened its campus in 1990. There are currently 10,532 students from 87 different countries studying at the University. The University provides a broad range of contemporary education and is committed to maintaining international standards of excellence through the accreditation of the degree programs and the recognition by the Higher Education Council of Turkey (YOK) and the Higher Education Planning, Evaluation, Accreditation, and Coordination Council of Turkey (YODAK). There are eleven faculties and eight schools. In total 104 associate/undergraduate degree programs and 55 postgraduate/doctoral degree programs are offered. The University is a member of the International Association of Universities (IAU), of the International Universities Council (IUC), and of the Federation of the Universities of the Islamic World (FUIW). Many departments have been accredited by specialized international accreditation agencies. During the last years, the University has been investing in the health-related faculties and schools because of the high demand for health workers in the region (SER 3.1.1).

The English program of the Faculty of Pharmacy of the University was established in 2016. The initial graduation was in July 2021. In total, there are 95 students registered in the departments of the Faculty of Pharmacy (SER 3.2.1).

3 Overview

3.1 Procedure-related documents

The Self-Evaluation Report for accreditation (without the awarding of the official seal of the Accreditation Council of the Foundation for the Accreditation of Study Programs in Germany) of the above-mentioned study programs (hereinafter the SER) of the European University of Lefke (hereinafter the EUL) was submitted to the Accreditation Agency in Health and Social Science (AHPGS) in electronic format on August 09, 2022. The contract between the EUL and the AHPGS was signed on October 05. 2022.

On April 03, 2023 the AHPGS forwarded the open questions and explanatory notes (hereinafter OQ) pertaining to the application for accreditation for the study programs to the University. On April 24, 2023 the University submitted the answers to the open questions and explanatory notes (hereinafter AOQ) to the AHPGS in electronic format.

The application documentation submitted by the EUL follows the outline recommended by the AHPGS. Along with the application request towards accreditation of the Bachelor study program "Pharmacy", the following additional documents can be found in the application package (the documents submitted by the University are numbered in the following order for easier referencing):

Specific documents for the study program "Pharmacy"

Annex	Description
1	Module Overview
2	Module Descriptions
3	Lecturers CV
4	Internship Manual
5	Diploma Supplement
6	Modules and Learning Outcomes
7	Modules and Program Outcomes Matrix
8	Modules and Program Outcomes
9	List of Activities
10	Teaching Matrix

Alongside the study-program-specific documents, the following documents pertain to all study program submitted for external evaluation:

Annex	Description
A	Quality Handbook
B	Code of Ethics
C	Organigram
D	EUL Board
E	Statute
F	Diploma Supplement
G	Regulations Students with Disabilities
H	Academic Calendar 18-19
I	Academic Calendar 19-20
J	Cooperation agreement
K	Declaration of Interest
L	Graduation Exam Evaluation Sample
M	Student & Graduate Surveys
N	Thesis Directives

The application, the OQ and AOQ as well as the additional documents build the basis for the present summary. The layout bears no significance, as it solely reflects the agreed standard within the University.

3.2 Structural data of the study program

University	European University of Lefke
Faculty/Department	Faculty of Pharmacy/Department of Pharmacy
Cooperation partner	- Ali Raif Pharmaceuticals ARIS
Title of the study program	„Pharmacy (MPharm)“
Degree awarded	Bachelor of M.Pharm
Form of studies	Full-time, on campus
Organisational structure	5 to 6 days a week from Monday to Saturday
Language of Studies	English
Period of education	Ten semesters

Credit Hour according to the internal credit hour system (CH)	194 CH (= 300 ECTS)
Workload	Total: 7,161 hours Contact hours: 2,662 hours Individual work: 4,403 hours Practice: 96 hours
Launch date of the study program	Fall 2016
Time of admission	Fall Semester
Number of available places on the program	30
Number of enrolled students by now	95
Particular enrollment conditions	<ul style="list-style-type: none"> - High-school graduation diploma or equivalent - English Language Proficiency Test
Tuition fees	7,750 € per year

Chart 1: Structural data of the study program

4 Expert Report

The on-site visit was carried out on June 6th and 7th, 2023 according to the previously agreed schedule. Representatives from the head office of AHPGS accompanied the expert group.

The expert group met on June 5th, 2023 for preliminary talks prior to the on-site visit. They discussed the submitted application documents and the results of the written evaluation as well as questions that had been raised prior. Furthermore, they prepared the plan of the on-site visit at the University.

During the on-site visit, the experts conducted discussions with the University management, representatives of the Faculty of Pharmacy, the chair, vice chair and the teaching staff of the program "Pharmacy" as well as with students currently studying in the program. Furthermore, they inspected the learning premises, such as lecture halls, seminar classrooms, library, and computer classes. Moreover, the

experts had the opportunity to examine the equipment and the capacity of the laboratories.

In the course of the on-site visit, the University submitted the following additional documents at the request of the experts:

- List of research applications in the year 2021 / 2022

The expert report is structured in compliance with the “Standards and Guidelines for Quality Assurance in the European Higher Education Area” (ESG), established by the European Association for Quality Assurance in Higher Education (ENQA). The study program will be described and analyzed in a comprehensive manner below. The documents submitted by the University, the Experts’ feedback to the documents, the observations made during the on-site visit, the results of discussions with the representatives of the University, Faculty of Pharmacy and the Department of Pharmacy serve as the foundation for the statements made in the expert report.

4.1 Program aims and their implementation

Summary

The objectives and learning outcomes of each module are listed in the module description. The learning outcomes are organized in four categories (Knowledge and Understanding; Cognitive Skills; Interpersonal Skills & Responsibility; Communication & Information Technology Skills). After studying in the Pharmacy program, the students should be able to:

- 1) Knowledge and Understanding
 - Serve the public with commitment and good using of the Turkish language and of at least one foreign language,
 - Use the concepts and applications of basic medical sciences in pharmaceuticals and pharmacy,
 - Have knowledge and applying ability in issues of the basic principles in the design and development of drug molecules, chemical structures, etc,
 - Have knowledge and skills of method validation and analysis,
 - Have knowledge and skills of formulation, manufacturing, quality assurance, etc,

- Know about the properties, using indications, production, and quality assurance of medical devices,
- Know about the biopharmaceutical and pharmacokinetic properties, effects of drugs, etc,
- Know the effects of chemical and biological agents on the biological system and environment,
- Have knowledge about the protection and treatment approaches against undesirable effects.

2) Cognitive Skills

- Provide a patient-oriented and individualized pharmaceutical care with other health care professionals,
- Provide education, knowledge, and counselling to patients and their relatives regarding pharmacy practice.

3) Interpersonal Skills & Responsibility

- Use the knowledge and skills acquired in accordance with the existing laws and regulations,
- Know the health policy and health economics.

4) Communication and Information Technology Skills

- Integrate and improve the professional knowledge with other disciplines and work together with legislative authorities, trade bodies, industry, and other stakeholders to improve the health status and quality of life,
- Use scientific resources, main regulations, and information technologies,
- Do research, and then present, report and/or publish the results in national and/or international meetings,
- Apply the principles of professional development and lifelong learning,
- Know the historical progression and ethics of the profession (SER 1.3.3).

After graduating in the Pharmacy program, the students have a wide range of possible careers in the health and private sectors. Some possible specializations are as follow:

- Community pharmacy,
- Hospital pharmacy,
- Universities in education and research-related areas,
- Departments of the drugs and cosmetics industry,
- Drug warehouses,
- Centers for research and development,
- Public institutions and organizations,

- Analytical laboratories,
- Drug and poison information centers,
- Cell and stem-cell therapy centers,
- Radiopharmacy laboratories,
- Contract research organizations,
- Drug consultancy companies,
- Professional organizations (SER 1.4.1).

According to the University, the need for qualified health personnel is increasing due to the current dynamics of the population. Graduated pharmacists should easily be able to find a job in drug industries, community or hospital pharmacies, government employment, and also academia by providing the professional use of the current technology and field competencies (SER 1.4.2). Moreover, the program of the University is acknowledged by African and Asian countries so that the graduates can work in pharmacies in such countries as well.

As the University states, 73 % of the graduates are community pharmacists of which 57 % own the pharmacy and 43 % are employed as junior pharmacists.

According to the surveys, the distribution of the current situation on the labor market of the graduated students are as follow; 56% of them are working as a community pharmacist, 22% of them are PhD students, 11% of them working at pharmaceutical Industry whereas 11 % of them are unemployed.

Judgement

The experts ask about the vision and mission of the EUL. The University states that the vision is to create a multi-ethnic cross cultural student profile on campus as well as to create international diversity by increasing the international student body on campus. Therefore, the mission is to offer up-to date and long-lasting quality education at international standards by meeting the needs of all stakeholders. It is explained by the University, that the proportion of international students is now close to 30 % within the University with a 50 % increase in the last five years, which the experts positively acknowledge. Due to the difficult political and geographic situation, the European University of Lefke is not able to be part of the Erasmus Program. Nevertheless, the University manages to send some students abroad through bilateral agreements and joint programs. Some programs in the University have collaboration agreements with institutions from

various countries of the world. Most of the international students come from Africa or Asia. According to the University, the goal of the acquisition of the accreditation is to increase the number of international students. Therefore, the University will be able to offer exchange programs in cooperation with different universities. The experts also see the need to further expand international cooperation to enhance the University's reach and promote cross-cultural exchange.

The experts inquire about research grant sources, including the EUL Research Fund based on the application evaluation process and Tubitak (Scientific and Technological Research Council of Turkey). Regarding research funding and support, the following information was stated: Research funding is available annually, and ethical approval is obtained from the University. On-site, the experts were shown peer-review publications, which they positively acknowledge. The provision of a day off for publication purposes is also deemed appropriate. As the University explains, students are also involved in research projects and publications. Research methods are taught within a specific module, where the students can gain intensive knowledge about different research methods and how to apply them. In conclusion, the experts note that research activities at the University, as well as within the Pharmacy program, are more intensive than what the documentation initially suggested. An overarching research concept or framework is advocated for, which can provide a clear direction and cohesion to the University's research activities.

Furthermore, EUL has some structured PhD program conducted in English, although a clinical Master's program following the Bachelor study program "Pharmacy" is currently not available. The experts encourage the University to consider implementing a consecutive Master's degree program in order to strengthen the research component at the University. The students also show interest in this idea during the interview.

The study program "Pharmacy" focuses on specific qualification objectives. These objectives cover professional and interdisciplinary aspects and particularly refer to the domain of academic competences, competences necessary for a qualified employment, skills of social commitment and personal development.

Decision

From the experts' point of view, the requirements of this criterion are fulfilled.

4.2 Structure of the study program

Summary

The Pharmacy program is a five-year degree program with ten semesters. Each year consists of two semesters. The program has 63 modules in total, under which 53 modules are compulsory, seven modules are elective courses, and three modules are summer internships. Additionally, the students write a graduation project thesis. The internship has to be taken in a community pharmacy for three months. During the first four semesters, the students take 28 compulsory modules including basic modules. During the last four semesters, the students take 25 compulsory and elective courses which consist of advanced and interdisciplinary courses.

There are two to eight modules provided for each semester. All modules have to be completed in one semester. The study program "Pharmacy" offers between 15 and 21 credit hours (CH) per semester (SER 1.2.1).

The list of modules offered:

Nr.	Title	Sem.	CH
COM101	English I	1	3
COM105	Anatomy	1	3
COM106/ ORT106	Turkish	1	2
COM109	Mathematics	1	3
COM111	Chemistry	1	3
PHAR113	Medical Biology	1	3
COM121	Physics	1	3
			21
COM100	Introduction to Computers	2	3
COM108/ ORT108	History	2	2
COM110	English II	2	3
COM103	Physiology	2	3
PHAR105	Introduction to Pharmacy	2	2

PHAR108	Social Pharmacy	2	2
PHAR224	Communication Skills in Community Pharmacy	2	2
PHAR130	First Aid	2	3
			21
PHAR231	Organic Chemistry	3	4
COM201	Public Health	3	3
HSC301	Biostatistics	3	3
PHAR233	Foundation in Pharmacy Practice	3	2
PHAR235	Analytical Chemistry I	3	3
PHAR308	Pharmacy Regulations and Ethics	3	2
PHAR237	Virology and Parasitology	3	3
			20
PHAR230	Pharmaceutical Microbiology	4	4
COM114	Biochemistry	4	3
PHAR232	Pathology	4	3
PHAR218	Pharmaceutical Botany	4	3
PHAR234	Immunology	4	4
PHAR236	Analytical Chemistry II	4	3
			20
PHAR301	Pharmacognosy I	5	3
PHAR331	Pharmaceutical Technology I	5	4
PHAR333	Pharmaceutical Chemistry I	5	4
PHAR335	Pharmacology I	5	3
PHAR337	Clinical Biochemistry	5	3
PHAR339	Pharmaceutical Biotechnology and Cell Culture	5	3
			20
PHAR301	Pharmacognosy II	6	3
PHAR332	Pharmaceutical Technology II	6	4
PHAR334	Pharmaceutical Chemistry II	6	4

PHAR3330	Pharmaceutical Toxicology	6	4
PHAR3336	Pharmacology II	6	3
PHAR338	Pharmaeconomics	6	3
			21
PHAR401	Pharmacognosy III	7	3
PHAR403	Pharmaceutical Technology III	7	3
PHAR431	Pharmaceutical Chemistry III	7	4
PHAR433	Pharmacology III	7	3
PHAR409	Clinical Pharmacy I	7	3
PHAR435	Physical Pharmacy I	7	2
UExx1	Free Elective	7	3
			21
PHAR430	Pharmacotherapy	8	3
PHAR452	Pharmaceutical Technology IV	8	3
PHAR406	Pharmacy Administration and Accountancy	8	2
PHAR432	Cosmetics Sciences	8	2
PHAR454	Clinical Pharmacy II	8	3
PHAR434	Physiotherapy	8	2
PHAR436	Physical Pharmacy II	8	2
UExx2	Free Elective	8	3
			20
PHAR531	Thesis Project I	9	2
PHAR4xx	Technical Elective	9	3
PHAR4xx	Technical Elective	9	3
PHAR4xx	Technical Elective	9	3
PHAR4xx	Technical Elective	9	3
UExx3	Free Elective	9	3
			17

PHAR532	Thesis Project II	10	3
PHAR534	Pharmacy Training	10	12
			15
	Total:		194

Tabelle 2: Modulübersicht

The module description/catalogue covers the following aspects: number of credit hours, teaching language, objectives, learning outcomes, content, and examination.

During the first two years of the study program, the students get to take interdisciplinary courses considered as service courses including English, Turkish, and History of Turkish Reforms. These courses are shared with students from other study programs. Elective courses are chosen during the fourth year and are also shared with other faculties (SER 1.2.2).

During the first year of study, the students take 13 courses which aim to improve the skills of the students for future more advanced courses. English I and English II allow the students to improve their oral and written communication skills. The mathematics course provides the necessary background for analytical courses.

During the second year, more advanced courses are offered to the students. They also get to take their first summer internship. From this year on until the final year, the students have the opportunity to do laboratory work in order to improve their practice skills.

Third and fourth year of studies include more specific field and core courses provided by the members of the Pharmacy teaching staff. During this period, the students really get to improve their knowledge and skills in Pharmacy which they can later apply during their work life.

During the fifth year, the students continue to improve their knowledge in various pharmacy fields such as discovering new drug molecules, drug formulations, etc. They also get to choose four technical lectures related to various pharmacy fields. Beside that, they take their third summer internship and work on their graduation project (SER 1.3.4).

The University underlines the importance of using interactive teaching methods such as class discussions, projects, and presentations. These methods are used

to help students gain more knowledge and practical skills. The class sizes are usually kept under 35 students which allows the teaching staff to use interactive learning methods. The Moodle platform is used to share articles, newspaper reports, case studies, lecture notes, and class materials. The students can also use the platform to easily contact their teachers. Various seminars are held about the role of the pharmacist in the pharmaceutical industry. Moreover, thanks to the cooperation with ARIS, the students have the opportunity to learn from experts about the pharmaceutical industry (SER 1.2.4).

The teaching staff of the program is using electronic and media teaching aids in the courses, including PowerPoint presentations and videos. Some courses are still taught in the form of distance learning. The lecturers have the possibility to upload their course contents on Moodle. Under normal conditions, the courses are delivered in classrooms fully equipped with central cooling and heating system, desktop PCs and remote-controlled projectors. Microsoft Teams was still used for hybrid and online courses during fall 2021-2022. Since the Covid-19 pandemic, online teaching has also been used as a compulsory method. Microsoft Teams is still being used by the teaching staff for hybrid and online courses (SER 1.2.5).

The students are required to complete three summer internships: one between the fourth and the fifth semester, one between the sixth and the seventh semester, and one between the seventh and the eighth semester. They must complete 20 workdays in a community pharmacy in each of the internships. After that, they must complete an internship logbook. The internship placements in community pharmacies or hospital pharmacies are coordinated by the faculty's internship coordinator. Thanks to these internships, the students improve their skills and knowledge (SER 1.2.6).

According to the University, internationality is a core value of the Faculty of Pharmacy with the program being taught in English. Therefore, the program is an internationally and culturally diverse student platform. This aspect provides the opportunity for the students to network with students from other cultural backgrounds. This is a way for them to gain skills in communication that will be useful in their future professional life. In most of the courses, the students are offered the possibility to work in groups to prepare assignments, presentations or to make case studies (SER 1.2.8). As the University states, the majority of the M.Pharm students are from Middle East and African Countries.

According to the University, the acquisition of the accreditation will increase the number of international students. Therefore, the University will be able to offer exchange programs in cooperation with different universities (SER 1.2.9).

The students spend time applying the theoretical knowledge by using and analyzing the literature specific to the Pharmacy field. During the last semester of their studies, the students get to put their skills into practice in fieldwork courses thanks to the internships and graduation projects. This training is even more helpful for students who want to pursue a research or academic career (SER 1.2.7).

Judgement

The Bachelor study program "Pharmacy" has a course-based structure and a course-related examination system. Descriptions of the modules are embedded within the course syllabi for each program. The course syllabus contains information on the course code, the credit hours, prerequisite(s), the semester and year, the instructor's name as well as his or her phone number, mail address and the lecture times. Furthermore, the course objectives, the learning outcomes, and the weekly distribution of course topics/contents are presented. Regarding the assessments, the assessment tools, the assessment plan and the teaching and learning resources are described. The experts value the detailed syllabus, which enables students to prepare adequately for individual lectures as well as scheduled examinations.

The combination of the courses of the study program are consistent with the specified qualification objectives (described earlier). The experts recommend updating the course content regularly and actively by incorporating contemporary scientific findings on an ongoing basis. This will ensure that students are exposed to the latest research and developments.

It is assured that students receive the support and guidance they need for the organization and accomplishment of assignments and the learning process in general. During the round of talks, the experts inquire about interdisciplinary taught modules, as the programs involved in this accreditation procedure offer good opportunities for this. The University reports that in the elective modules, students are sometimes taught together. The experts see room for improvement related to interdisciplinary teaching and learning. Increasing cooperation between the different study programs and offering more interdisciplinary elective modules can foster collaboration and facilitate knowledge exchange across disciplines.

Furthermore, streamlining and harmonizing the curriculum can help alleviate the examination workload and create a more balanced learning experience.

The experts further inquire about the graduation project. The faculty reports that graduation projects are supervised by advisors, providing guidance and mentorship to students. Projects are often presented at conferences within Turkey and are also published, showcasing students' research findings. The university offers a research method course where students collaborate in groups on a common project, fostering teamwork and developing essential research skills. The objective of the graduation project is to provide students with the experience of tackling the challenges associated with undertaking an individual research work. It aims to provide them with the opportunity to apply, integrate, and expand upon the research skills they have acquired in previous years. Additionally, it aims to cultivate proficiency in effectively communicating research findings through written presentations, which holds particular significance for those aspiring to pursue further studies in the field of pharmacy. The experts acknowledge that the graduation project is not visibly integrated across all study programs. This should be adjusted as a matter of priority. Additionally, the experts suggest specifying the module description for the graduation project and possibly considering a title change to clearly indicate that students are required to write a final thesis-like research paper.

Decision

From the experts' point of view, the requirements of this criterion are fulfilled.

4.3 Admission and Feasibility

Summary

The process and management of admissions is mainly carried out by the University's Registrar's Office alongside with the Faculties and the International Affairs Office. It is necessary to have completed the secondary education to apply for the Pharmacy program. The candidates must hold a high-school graduation diploma or equivalent and must show their English language ability by taking part to the English Language Proficiency Test. Students can also provide an international accepted English proficiency certificate.

Turkish students must take the Turkish University Entrance Examination (LYS) which is conducted by the Office of Student Selection and Placements (OSYM). The students are then placed depending on their examination scores.

International students must have a high school level diploma/certificate with a minimum average diploma grade of “C” (SER 1.5.1).

There are special requirements about the English language skills for the direct admission into the degree program. If the students don’t have an IELTS examination certificate with a minimum score of 5.5 or similar, they must take the EUL English Preparatory School program which lasts for a year (SER 1.5.4).

The University has installed different support services as well as specialized and general consultations to guarantee the feasibility of the study program.

Judgement

The admission policies and procedures along with the requirements are properly documented and made publicly available. The experts determine the admission procedure and requirements to be appropriate.

The University prioritizes social support and provides a range of services, including a kindergarten and support for pregnant individuals. To foster a vibrant community, the University encourages the formation of social clubs and organizes various social events, providing opportunities for students to connect and engage with each other. Additionally, students have access to an advisor who offers guidance and support throughout their academic journey. On-site, it became obvious that the teaching staff follows an “open-door-policy”. As another support mechanism, an academic advisor is responsible for a small number of students from the beginning of each semester. Students are supported through advisors with their registration process, financial and personal issues, and their performance during the semester. The university offers scholarships to every international student, including academic scholarships. Additionally, tuition fees can be paid in installments, and sibling scholarships are available. For first-year students, dormitories are provided to ensure a safe living environment. Furthermore, the university offers free rent to victims of earthquakes, demonstrating its commitment to supporting those in need. The workload and examination requirements are deemed feasible, enabling students to manage their studies

effectively. The experts find the support services at the University to be exemplary and conducive to the health and success of the student body.

To prepare students for the level of difficulty and volume of exams, the type as well as the time of the different examinations is defined and communicated to the students transparently through the course syllabus at the beginning of each course. The experts confirm that the University takes good measures to guarantee the feasibility of the study program despite the high workload. The organization of the education process ensures the successful implementation of the study programs.

Decision

From the experts' point of view, the requirements of this criterion are fulfilled.

4.4 Examination system and transparency

Summary

The number of examinations per semester depends on the module. The lecturers are responsible for the preparation of examinations in accordance with the learning outcomes of the Pharmacy program. In each semester at least one midterm and one final exam must be carried out. The lecturer may choose to evaluate an assignment, a project, a laboratory report, or similar work as midterm exam. The final exam aims to test whether the students have achieved the learning outcomes of the course. The contribution of exams and other evaluations to the final score also depends on the module. The following information are automatically given to the students either through the lecturer or on free access on the Moodle platform:

- Learning outcomes,
- Objectives,
- Topics to be covered weekly,
- Evaluation methods,
- Weight of each evaluation method for the final score.

Students with a grade from A to C are successful and pass the exam. Students with a grade from C- to D implies a "Conditional Pass", meaning that the students are successful given that the CGPA is above or equal to 2.00. Grades D- and F indicate "Failure" which means the students must repeat the course. Students

who do not fulfill the requirements for the evaluations of the course are given the “FA” grade by the lecturer. The grades “S” (satisfactory) and “U” (unsatisfactory) are given to students who are registered for non-credit courses. “I” is given to students who have not written the exam or who did not complete some of the course components because of a valid reason. The grade “W” is given to student who are allowed to withdraw from a registered course. At the end of each semester, the students can retake exams on defined days (SER 1.2.3).

The grading system is as follows:

MARK	GRADE	EQUIVALENT SCORES AND EXPLANATIONS
90-100	A	4.00
85-89	A-	3.70
80-84	B+	3.30
75-79	B	3.00
70-74	B-	2.70
66-69	C+	2.30
62-65	C	2.00
58-61	C-	1.70
54-57	D+	1.30
50-53	D	1.00
40-49	D-	0.70
0-39	F	0.00
Failing from Absenteeism	F	0.00
	I	Incomplete
	S	Satisfactory (Pass in a non-credit-course)
	U	Unsatisfactory (Failure in a non-credit-course)
	W	Withdrawal

The students transferring from another HEI or registrations following the Vertical Transfer Examination may be entitled for conversion of credits acquired from other HEIs. The students are required to submit their transcripts of records and the list of the courses taken at the other HEI. This information will then be evaluated by the exemption commission of the concerned department and a list of exempted courses will be provided. The following rules must be followed:

- In case of a compatible course content, the number of National or ECTS credits must be at least equal with the EUL course credits,

- If the number of credits is inferior to the one of the EUL course, then no exemption will be given for that course,
- For a course to be exempted, the grade must be at least equivalent to a C (2.00) in the EUL grading system (SER 1.5.3).

Judgement

The University uses a continuous assessment process to ensure the quality of education for its students. The study program has a course-related examination system. Its implementation, including the grading system, course load regulations, repetition of courses and exams is regulated and transparent for the students. Furthermore, information concerning the study program, process of education, admission requirements and tuition fees are documented and published.

From the experts' point of view, the examinations serve to determine whether the envisaged qualification objectives have been achieved. These examinations are focused on students' knowledge and competences. The transparent information of examination methods and of the examination schedule at the beginning of each term makes the high number of assessments during and at the end of each semester manageable. Nevertheless, in the experts' opinion, the study program includes a very high number of exams which causes a high workload not only for students but also for the teaching staff. Therefore, the experts recommend combining courses into larger modules.

Decision

From the experts' point of view, the requirements of this criterion are fulfilled.

4.5 Teaching staff and material equipment

Summary

In the Pharmacy program the total number of credit hours is 160, under which 80 credit hours correspond to directly health related subjects. When considering a teaching load of 15 hours/week, three full-time staff will be required. All the modules are taught by full-time academics. Some of the modules are given by other faculty members when the content requires a specialization. There are also

two members of the teaching staff working on a part-time basis. There are no adjunct professors in the program. The ratio of full-time teaching loads of the fulltime instructors to the total number of all students in the study program with full enrolment capacity utilization is 0,24. There are eleven faculty members teaching only in the Pharmacy program: six professors four associate professors and one doctor. Moreover, two associate professors and ten assistant professors from another department are teaching in the program. One professor from the Dentistry Department and one assistant professor from the Pharmacy Department are part-time staff members (SER 2.1.1).

The academic staff of the Pharmacy program is well-qualified with PhD degrees from accredited universities. The staff has various opportunities for self-development such as funding for attending seminars, conferences, conducting research and/or making publications in journals. Most members also take part in independent research projects and share their experiences with their colleagues. The transfer of knowledge between colleagues contributes to the intellectual capacity of the instructors and improves their teaching effectiveness. The faculty members have several occasions to exchange their expertise and knowledge through conferences, seminars, round table discussions and panels. The cooperation between them is institutionalized through departmental meetings, joint committees or group works on specific topics. The primary aim of the development and career planning program is to identify strategies to maintain the faculty member's credential field and to enhance the overall performance and reputation of the Pharmacy department. To do so, the University encourages the teaching staff to co-operate research programs with other universities or to do a post-doc in abroad universities to broaden their knowledge. The titles of assistant professors, associate professor and professor are given to the faculty members who satisfy the University promotion and regulation criteria for the given title. The faculty members are asked to prepare a report about the courses that they have been teaching, their publications and collaborations every year (SER 2.1.3).

There is one program coordinator responsible for the coordination of the lecture programs and the exam schedules of the departments. Moreover, there is one research assistant assisting the lectures if needed (SER 2.2.1).

The lectures take place on-campus in different buildings of the University. There is the Arts and Sciences Building which contains 48 classrooms and four computer labs. The Central Lecture Hall has 9 classrooms, lecture theatres and numerous smaller seminar rooms. The Faculty of Pharmacy Buildings contains two

amphitheatres and five classrooms. Audiovisual equipment is available in most classrooms and seminar rooms as well as in the meeting room. Moreover, there are eight laboratories available for the students of the Pharmacy program. The list of the laboratories is as follows:

- Analytical chemistry,
- Biochemistry,
- Pharmaceutical microbiology,
- Pharmaceutical botany,
- Pharmacognosy,
- Pharmaceutical technology,
- Pharmaceutical chemistry,
- Pharmaceutical toxicology (SER 2.3.1).

The library opened and expanded parallelly to the University. The 2500m² library building has 65 computers available for the students. It also has reading areas and private study rooms, which can be reserved by the students. Concerning the staff, the library has eight fulltime members and 15 assistants. The library is open from Monday to Friday from 08:30am until 11pm and Saturday-Sunday from 09:30am until 11pm. During the midterm and final exam periods, it is open 24/7.

The library has a collection of 48,500 printed publications, 161,000 digital books or sources, and thousands of audiovisuals and periodical subscriptions. It also has a membership in more than 15 online databases that allow access to full-text journals, reports, abstracts, e-books, reviews, etc. (SER 2.3.2).

There are 2,034 hard copy books related to Pharmacy. Furthermore, the University provides opportunities to reach various resources such as Proquest Dissertations & Theses, Wiley Online Library, Springer Nature – Academic Journals, ScienceDirect Freedom Collection, etc.

The University provides extra funding for research to promote the publication of articles and conference papers. There are three categories of funding:

- BAP Projects: funding for a project approved by the commission organized by the Rectorate,
- Publication in SCI-Indexed/SSCI-Indexed Journal: the University rewards the publication with a fund of 1,500\$ per paper,
- Attending of conferences: the amount of the funding depends on the type and location of the conference (SER 2.3.4).

Judgement

New teaching staff is thoroughly briefed about the program and their teaching responsibilities before they start teaching. Students evaluate the performance of all teaching and staff periodically. Overall, the teaching and academic staff of the Pharmacy program at the European University of Lefke shows a very high level of commitment and potential for the execution as well as further development of the study programs they are responsible for. The expert group concludes that there is a strong corporate identity and positive group dynamics among the University and the administration staff. As a motivation to work at European University of Lefke, the faculty cites the good reputation, the working atmosphere, the safe working environment as well as support mechanisms related to research and academic development. Work-life balance is also emphasized, with one regular work-from-home day, along with generous annual leave of 30 days and 14 days of sick leave. Promotion criteria from assistant to associate professor are clear and fair, ensuring transparency in career progression.

The experts find the amount of human resources allocated to the program to be sufficient to carry out its functions. The teaching staff is highly qualified. The teaching staff within the Bachelor study program Pharmacy is in possession of academic and technical credentials and experience adequate to their tasks. The University informs its employees about opportunities for personal and professional development transparently, and actively encourages their participation in workshops, training courses and conferences intended to further their abilities, which is confirmed during the talks with the staff on site.

The university boasts a sufficient library that caters to students' academic needs. Online access to resources and materials further enhances the accessibility and convenience of information. Staff internships are supported, and additional funding is provided for open access publications (approximately \$1,500 per year). Access to patient data is restricted, but efforts are being made to facilitate its use for research purposes. Research is considered as an addition to teaching hours and does not reduce teaching obligations. During the exam period, the university provides free food and drinks, ensuring students' well-being and support during this critical time.

The experts visited the premises of the Faculty of Pharmacy, where the Pharmacy program is located. As a whole, it was ascertained by the experts that the program has ample teaching facilities at its disposals.

Decision

From the experts' point of view, the requirements of this criterion are fulfilled.

4.6 Quality assurance

Summary

Internal quality assessment procedures are carried out semi-annually by the Higher Education Quality Commission of the University. At the end of each semester, the students can fill out an online survey to provide feedback on the quality of the program. To increase the quality of the Pharmacy program, there are three committees dealing with the problems in which the Dean of the faculty, and faculty members take part. The committees are as follows:

- Assessment and evaluation board,
- Continuous improvement board,
- Quality board.

Moreover, the learning outcomes, syllabus, and all titles of the relevant courses are evaluated at the end of each semester in order to recognize eventual problems and discuss solutions (SER 1.6.1).

The Pharmacy program has its own Student Experience Survey that is conducted at the end of each semester. Moreover, a Graduate Survey is conducted at the end of each academic year. Once completed, the surveys are evaluated by the academic staff of the Faculty of Pharmacy and plans for the necessary improvements are made (SER 1.6.2).

The results from the surveys are evaluated by the Higher Education Quality Commission and then shared by every department. The academic staff of the Pharmacy program considers the feedback obtained and implements the necessary measures to improve the quality of the program (SER 1.6.3).

The students of the Pharmacy program have a workload equivalent to 30 ECTS per semester. The number of modules taken depends on the cumulative GPA. Students with a cumulative GPA of 2.0 are eligible to register to an additional module, while those with a GPA of 3.0 and above can register to two additional modules (SER 1.6.5). At the end of every academic semester, questionnaires are shared via moodle to evaluate the feasibility of the workload of the modules.

The Pharmacy program has been accredited by YÖDAK (Higher Education Planning, Evaluation, Accreditation and Coordination council) in 2016.

The number of enrollments per semester is limited to 35 (SER 1.6.6).

The following table shows the enrollment statistics:

Acedemic Semester	Enrolment Applications
2016-17	9
2017-18	19
2018-19	20
2019-20	15
2020-21	32

All the students enrolled in the program have access to an online system called the OIBS through the Deanship of Admission and Registration. This system provides them with all the details about:

- The academic requirements,
- The complete academic plan,
- The credit hours of the modules,
- The attendance statistics,
- The information about examination, grades, and cumulative GPA,
- The information on passed and failed modules.

OIBS is also the platform on which the students can select the modules to study, add, and drop of modules with the support of an advisor lecturer from their department. The students can also manage their study plan. The Examination committee follows a transparent procedure to fix the exam schedules, making sure that it fits with the other subjects from the students. The rules and regulations for the exams are communicated in advance to the students. In case of disabled students, the special regulations are communicated to the lecturers (SER 1.6.7).

The counselling support begins with an orientation program specifically designed to inform the newly arrived students about the campus, the faculties, and the facilities available. After the enrollment, every student is assigned to an academic advisor who can help with their progress, registration on courses, career advising, and other academic issues. Every instructor must schedule two office hours per week during which the students can book an appointment to ask questions or further explore the subjects taught during the lectures. During the rest of the week,

the students can use the platform Moodle to contact the lecturers. The Career Center of the University:

- helps the students identify career opportunities,
- organizes job forums on campus,
- assists the students in their job research,
- assists the students in the CV writing and interview skills improvement,
- reaches out to students using social networking sites and leaflets.

The Dean's Office offers psychological counseling services. Moreover, the students have the possibility to get involved in one of the 44 clubs and 35 societies of the University, which can help with developing soft skills, teamwork, leadership, communication, and organizational skills (SER 1.6.8).

Judgement

From the experts' point of view, the University has a well-structured system of quality assurance spread across all of its units. The European University of Lefke has developed and documented a concept of quality assurance in the education process, teaching, and research, which serves as the basis for the quality-oriented development and implementation of the study program "Pharmacy".

Regular evaluation surveys are conducted after every course, allowing students to provide feedback on their learning experience. The University values feedback from students and implements actual changes based on evaluation surveys, addressing content, examination methods, and teaching approaches to enhance the learning experience. The results of the internal quality assurance management are applied for the continuous development of the study program. In doing so, the University takes into close consideration the quality evaluation results as well as the analyses of students' workload, their academic accomplishments and feedback from graduates. The experts appreciate that regularly meetings on different levels are held to improve the study programs.

Decision

From the experts' point of view, the requirements of this criterion are fulfilled.

4.7 Gender equality and equal opportunities

Summary

The University follows the laws of the constitution and the laws for protection, rehabilitation, and employment of disabled individuals. The University also has its own regulations (Appendix 8). All facilities are planned to be accessible for the physically challenged students (SER 1.5.2).

According to the University, all students have equal rights, and the classes are mixed with students from different backgrounds. The University and the Ministry of Education support the students with insufficient funds by providing scholarships. The University also supports students in need by providing them with part-time jobs on campus such as research assistant. In order to increase the number of female students, different scholarship opportunities are provided (SER 1.6.9).

The students with special requirements can discuss their needs with their advisor or with the head of the department. The University also has a Health Center with a specialist physician of internal medicine, a part-time general surgeon, a part-time dermatologist, and a nurse. Moreover, internal diseases specialists, ear, nose, and throat specialists, and a dental polyclinic are available to serve the students and the public (SER 1.6.10).

Judgement

The University demonstrates its commitment to the provision of equal opportunities for all students and shows openness for diversity and social developments. Overall, the experts conclude that the University's actions on the provision of gender equality and promotion of equal opportunities for students with particular living circumstances are implemented in a transparent manner.

Decision

From the experts' point of view, the requirements of this criterion are fulfilled.

5 Conclusion

Overall, the experts gained a positive impression of the European University of Lefke as well as the Pharmacy program. The management of the University seems highly involved and dedicated, demonstrating a strong commitment to the University's success. This commitment is reflected in their active engagement in various aspects of the University's operations. The Pharmacy program maintains a small student population, allowing for nearly one-on-one teaching and fostering

a more personalized educational experience. This close interaction between faculty and students contributes to a supportive learning environment. The working environment is described as familial, suggesting a supportive and friendly atmosphere among staff members.

An overarching research concept or framework is advocated for, which can provide a clear direction and cohesion to the institution's research activities. The experts see room for improvement in terms of documentation and materials. Addressing these areas will ensure that the necessary resources are readily available and of high quality.

The institution places great emphasis on providing intensive support and guidance to students during practical training. This hands-on approach ensures that students receive comprehensive supervision and mentoring to enhance their learning and professional development.

The number of modules and the associated workload are perceived to be too high, resulting in a heavy examination burden for students. Streamlining and harmonizing the curriculum can help alleviate this issue and create a more balanced learning experience. Increasing cooperation between different study programs and offering interdisciplinary elective modules can foster collaboration and facilitate knowledge exchange across disciplines.

Based on the information from written documents and the results of the on-site visit, the experts concluded that the study program Pharmacy offered at the European University of Lefke fulfils the above-described criteria. Hence, the experts recommended that the Accreditation Commission of AHPGS make a positive decision regarding the accreditation of the study program.

For the continuous development of the study program, the experts have outlined the following recommendations:

- International cooperation should be further expanded to enhance the University's reach and promote cross-cultural exchange.

- An overarching research concept or framework should be developed, which can provide a clear direction and cohesion to the University's research activities.
- The course content should be regularly and actively updated by incorporating contemporary scientific findings on an ongoing basis.
- Interdisciplinary teaching and learning should be increased. Cooperation between the different study programs and offering more interdisciplinary elective modules can foster collaboration and facilitate knowledge exchange across disciplines.
- A consecutive Master's degree program should be implemented.
- The module description for the graduation project should be specified, and possibly a title change to clearly indicate that students are required to write a final thesis-like research paper should be considered.
- Consideration should be given to whether and to what extent courses can be combined into larger modules to reduce workload.

6 Decision of the accreditation commission

Decision of the accreditation commission September 18, 2023

This resolution of the Accreditation Commission of the AHPGS is based on the University's application, as well as the expert review and the site visit covered in the Assessment Report. The Accreditation Commission has also taken the response opinion of the University regarding the study program into account.

The site visit of the University took place on June 6-7, 2023 according to the previously agreed-upon schedule.

The accreditation procedure is structured according to the Accreditation Criteria developed by the AHPGS. The Accreditation Criteria are developed by the AHPGS in close accordance with the existing criteria and requirements valid in the Federal Republic of Germany and based on the „Standards and Guidelines for Quality Assurance in the European Higher Education Area“ (ESG), established by the European Association for Quality Assurance in Higher Education (ENQA).

The Accreditation Commission of the AHPGS discussed the procedural documents and the vote of the expert group regarding the Assessment Report.

The Bachelor study program requires the obtainment of 194 credit hours (CH) according to the internal credit hour system. The regulated study period in the program "Pharmacy (M.Pharm)" is five years (ten semesters). The study program comprises 63 modules in total, out of which seven modules are elective ones and three modules are summer internships. The language of instruction is English. The Bachelor study program "Pharmacy (M.Pharm)" is completed with awarding of the academic degree "Bachelor of M.Pharm". Admission takes place every fall semester. The first cohort of students was admitted to the study program in the academic year 2016/2017.

The Accreditation Commission of the AHPGS considers that all Accreditation Criteria are fulfilled and adopts the following decision:

The Bachelor study program "Pharmacy (M.Pharm)" is accredited without conditions for the duration of five years until September 30, 2028.

For further development and enhancement of the study program, as well as of the University as a whole, the Accreditation Commission of the AHPGS support the recommendations articulated in the Assessment Report.