

The background features a large, faint watermark of the Gerdard Alavi University (GAU) logo, which is a stylized eagle with its wings spread, perched atop a shield. The shield contains a sun and a crescent moon. The text 'GAU' is positioned above the eagle, and 'FACULTY OF PHARMACY' is written below it.

**FACULTY OF PHARMACY
5-YEAR PROGRAM**

Orientation

NEW CURRICULUM SPRING 2024

Assoc. Prof. Dr. Paria EGHBALI

**Vice-Dean, Head of Basic Pharmacy Sciences Division and
Analytical Chemistry Department, Lecturer**



GIRNE AMERICAN UNIVERSITY

FACULTY OF PHARMACY





WELCOME



- Welcome to the Faculty of Pharmacy at Girne American University (GAU) at Turkish republic of Northern Cyprus.
- We are delighted to have you here as the new members of our Faculty.
- Your dream of becoming a pharmacist has just begun and is over.
- In the next five years, you will have many wonderful experiences within health sciences.
- Our Faculty supports the holistic concept of health, which emphasizes the relationship between human health and the environment. We aim to achieve excellence in teaching, researching, community and pharmacy service, and patient care.



ABOUT FACULTY



- Girne American University, Faculty of Pharmacy started to offer education for **Master's Degree (M. Pharm)** in Pharmacy at the beginning of the **2015-2016 Academic Year**.
- Education is **English** medium in **5-year** program which is composed of **10 semesters** excluding the English Preparatory School.





FACULTY MISSION

- Our mission is to facilitate effective and high-quality health services and support the recognition and development of community health with its high standard of educational programs and scientific research projects.

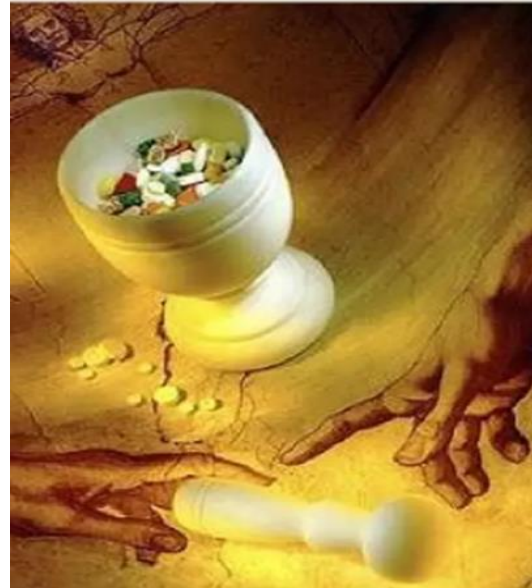




VISION



- To empower the Student Pharmacists through **Academic Education** and **Training based on Innovation-Friendly Methodology** that enables them to fulfill the **Leadership Role** to build the “**Pharmacy Profession of the Future**”.





LABORATORIES



- Analytical Chemistry
- Pharmaceutical Chemistry
- Pharmaceutical Technology
- Pharmaceutical Botany
- Pharmacognosy
- Clinical Pharmacy
- Toxicology
- Microbiology
- Cosmetology





CURRICULUM



If the student is successful in the **English Preparatory Exam**, he/she is entitled to move to the **1st** year.

Course Entitlement Condition

In the **1st** semester, the course entitlement is **9/10** courses and **22** credits.

Course Code	Course Type	Prerequisite#	Course Name	T	P	GC	ECTS
PHAR101	Compulsory	-	General Chemistry	3	0	3	5
PHAR103	Compulsory	-	Medical Biology and Genetics	3	0	4	6
PHAR105	Compulsory	-	Pharmacy Terminology	2	0	2	2
PHAR107	Compulsory	-	Behavioral Sciences	2	0	2	2
PHAR109	Compulsory	-	First Aid	2	0	2	3
MTE101	Compulsory	-	Elementary Calculus	3	0	3	5
COMP103	Compulsory	-	Introduction to Computer	2	2	3	4
EGL101	Compulsory	-	Reading and Writing Skills – 1	2	2	3	3
TURK001	Compulsory	-	Composition and Elementary Turkish-1 ^a	2	0	0	0
TFL101	Compulsory	-	Turkish for Foreigners-1 ^b	2	0	0	0
NH001	Compulsory	-	National History-1 ^a	2	0	0	0
Total*	-	-	-	-	-	22	30

^aOnly for students coming from TR / TRNC Countries. ^bOnly for students coming from other Countries



Course Entitlement Condition

When the student pharmacist completes **22** credits, the course entitlement is **8/9** courses and **18** credits.



#A prerequisite means a course that a student must have taken prior to enrolling in a specific course or program. For example, for taking Organic Chemistry 1 the prerequisite course which is General Chemistry should be taken and passed in previous semester.

Course Code	Course Type	Prerequisite#	Course Name	T	P	GC	ECTS
PHAR102	Compulsory	-	Physics	3	0	3	4
PHAR104	Compulsory	PHAR101	Organic Chemistry 1	3	0	3	5
PHAR106	Compulsory	-	Biostatistics	2	0	2	4
PHAR108	Compulsory	-	Anatomy	2	0	3	4
PHAR110	Compulsory	-	Plant Biology	2	0	2	3
PHAR112	Compulsory	-	Public Health	2	0	2	3
EGL102	Compulsory	EGL101	Reading and Writing Skills – 2	2	2	3	3
TURK002	Compulsory	-	Composition and Elementary Turkish-2 ^a	2	0	0	0
TFL102	Compulsory	TFL101	Turkish for Foreigners-2 ^b	2	0	0	0
NH002	Compulsory	NH001	National History-2 ^a	2	0	0	0
Total	-	-	-	-	-	18	26

^aOnly for students coming from TR / TRNC Countries. ^bOnly for students coming from other Countries



Class assignment condition

When the student pharmacist completes **40** credits, he/she is entitled to move to the **2nd** year.

Course Entitlement Condition

When the student pharmacist completes **40** credits, the course entitlement is **10** courses and **23** credits.



Course Code	Course Type	Prerequisite#	Course Name	T	P	GC	ECTS
PHAR201	Compulsory	PHAR101	Analytical Chemistry 1	3	-	3	5
PHAR203	Compulsory	PHAR101,104	Biochemistry 1	3	0	3	5
PHAR205	Compulsory		Pharmaceutical Microbiology	3	-	3	4
PHAR207	Compulsory	PHAR105	Introduction to Pharmacy and Pharmacy Practice	2	2	3	3
PHAR209	Compulsory		Physiology	2	0	2	4
PHAR211	Compulsory	PHAR104	Organic Chemistry 2	3	0	3	4
PHAR213	Compulsory		Immunology	2	0	2	4
PHAR215	Compulsory	PHAR101	Analytical Chemistry Laboratory 1	0	3	1	2
PHAR217	Compulsory	-	Pharmaceutical Microbiology Laboratory	0	3	1	2
PHRXXX	Elective	-	Elective	2	0	2	2
Total	-	-	-	-	-	23	35

Academic Incompetence Condition

When the student completes **40** credits (**2nd** semester), a general average of **1.00** is required.



Course Entitlement Condition

When the student pharmacist completes **63** credits, the course entitlement is **11** courses and **24** credits.

Course Code	Course Type	Prerequisite#	Course Name	T	P	GC	ECTS
PHAR202	Compulsory		Pharmaceutical Technology 1	3	-	3	4
PHAR204	Compulsory	PHAR203	Biochemistry 2	2	0	2	3
PHAR206	Compulsory	PHAR101,104,211	Pharmaceutical Chemistry 1	3	-	3	3
PHAR208	Compulsory	PHAR203,209	Pathophysiology	2	0	2	3
PHAR210	Compulsory	PHAR105,203,209	Pharmacology 1	4	0	4	6
PHAR212	Compulsory	PHAR110	Pharmaceutical Botany	3	-	3	3
PHAR214	Compulsory	PHAR201,215	Analytical Chemistry 2	3	-	3	5
PHAR216	Compulsory		Pharmaceutical Technology Laboratory 1	0	3	1	2
PHAR218	Compulsory	PHAR101,104,211	Pharmaceutical Chemistry Laboratory 1	0	3	1	2
PHAR220	Compulsory		Pharmaceutical Botany Laboratory	0	3	1	2
PHAR222	Compulsory	PHAR201,215	Analytical Chemistry Laboratory 2	0	3	1	2
Total	-	-	-	-	-	24	35



***PHAR200, At the end of fourth semestre (During Summer)**

Academic Incompetence Condition

When the student completes **63** credits (**3rd** semester), a general average of **1.30** is required.



Class assignment condition

When the student pharmacist completes **87** credits, he/she is entitled to move to the **3rd** year.



Course Entitlement Condition

When the student pharmacist completes **87** credits, the course entitlement is **11** courses and **21** credits

Course Code	Course Type	Prerequisite#	Course Name	T	P	GC	ECTS
PHAR200*	Compulsory	PHAR207	Community Pharmacy Training*	0	0	0	3
PHAR301	Compulsory	PHAR212	Pharmacognosy 1	2	-	2	3
PHAR303	Compulsory	PHAR206,218	Pharmaceutical Chemistry 2	3	-	3	3
PHAR305	Compulsory	PHAR216,202	Pharmaceutical Technology 2	4	-	4	5
PHAR307	Compulsory	PHAR210	Pharmacology 2	2	0	2	4
PHAR309	Compulsory	PHAR203,204	Clinical Biochemistry	2	3	3	5
PHAR311	Compulsory	PHAR212	Pharmacognosy Laboratory 1	0	3	1	2
PHAR313	Compulsory	PHAR206,218	Pharmaceutical Chemistry Laboratory 2	0	3	1	2
PHAR315	Compulsory	PHAR202,216	Pharmaceutical Technology Laboratory 2	0	4	1	2
PHARXXX	Elective	-	-	2	0	2	2
PHARXXX	Elective	-	-	2	0	2	2
Total	-	-	-	-	-	21	33

Academic Incompetence Condition

When the student completes **87** credits (**4th** semester), a general average of **1.50** is required.



Course Entitlement Condition

When the student pharmacist completes **108** credits, the course entitlement is **10** courses and **20** credits.

Course Code	Course Type	Prerequisite#	Course Name	T	P	GC	ECTS
PHAR302	Compulsory	PHAR301	Pharmacognosy 2	2	-	2	3
PHAR304	Compulsory	PHAR303,313	Pharmaceutical Chemistry 3	3	-	3	3
PHAR306	Compulsory	PHAR305,315	Pharmaceutical Technology 3	4	-	4	4
PHAR308	Compulsory	PHAR307	Pharmacotherapy	2	0	2	4
PHAR310	Compulsory	PHAR307	Pharmacology 3	2	0	2	4
PHAR312	Compulsory	PHAR301,311	Pharmacognosy Laboratory 2	0	3	1	2
PHAR314	Compulsory	PHAR303,313	Pharmaceutical Chemistry Laboratory 3	0	3	1	2
PHAR316	Compulsory	PHAR305,315	Pharmaceutical Technology Laboratory 3	0	4	1	2
PHARXXX	Elective	-		2	0	2	2
PHARXXX	Elective	-		2	0	2	2
Total	-	-	-	-	-	20	28

➡ *PHAR300, At the end of sixth semestre (During Summer)

Academic Incompetence Condition

When the student completes **108** credits (**5th** semester), a general average of **1.70** is required.



Class assignment condition

When the student pharmacist completes **128** credits, he/she is entitled to move to the **4th** year.

Course Entitlement Condition

When the student pharmacist completes **128** credits, the course entitlement is **10** courses and **21** credits.



Course Code	Course Type	Prerequisite#	Course Name	T	P	GC	ECTS
PHAR300*	Compulsory	PHAR200	Community-Hospital Pharmacy and Pharmaceutical Industry & Cosmetics Industry Training 2 (Summer)*	0	0	0	3
PHAR401	Compulsory	PHAR203	Pharmaceutical Biotechnology	3	0	3	4
PHAR403	Compulsory	PHAR306,318	Pharmaceutical Technology 4	3	-	3	4
PHAR405	Compulsory	PHAR210, 307, 310	Pharmaceutical Toxicology	3	-	3	3
PHAR407	Compulsory	PHAR302, 312	Pharmacognosy 3	3	-	3	4
PHAR409	Compulsory	PHAR310	Clin. Pharmacy and Pharmaceutical Care 1	2	3	4	6
PHAR411	Compulsory		Pharmacy Management	2	0	2	3
PHAR413	Compulsory	PHAR306,318	Pharmaceutical Technology Laboratory 4	0	3	1	2
PHAR415	Compulsory	PHAR210,307, 310	Pharmaceutical Toxicology Laboratory	0	3	1	2
PHAR417	Compulsory	PHAR302,312	Pharmacognosy Laboratory 3	0	3	1	2
Total	-	-	-	-	-	21	33

Academic Incompetence Condition

When the student completes **128** credits (**6th** semester), a general average of **1.80** is required.



Course Entitlement Condition

When the student pharmacist completes **149** credits, the course entitlement is **8** courses and **19** credit

Course Code	Course Type	Prerequisite#	Course Name	T	P	GC	ECTS
PHAR402	Compulsory	PHAR202,305,306, 403	Biopharmaceutics Pharmacokinetics	3	0	3	4
PHAR404	Compulsory	-	Research Methods and Skills	2	0	2	3
PHAR406	Compulsory	-	History of Pharmacy, Deontology Law Ethics and Professionalism in Pharmacy Practice	3	0	3	4
PHAR408	Compulsory	PHAR409	Clin. Pharmacy and Pharmaceutical Care 2	3	2	4	6
PHAR410	Compulsory	PHAR306,316	Cosmetology	2	-	2	3
PHAR412	Compulsory	PHAR306,316	Cosmetology Laboratory	0	3	1	2
PHARXXX	Elective/Free Elective	-	-	2	0	2	2
PHARXXX	Elective / Free Elective	-	-	2	0	2	2
Total	-	-	-	-	-	19	26

*PHAR400, At the end of seventh semester (During Summer)



^aIn order to take PHAR400, student should pass all of the previous courses.

Academic Incompetence Condition

When the student completes **149** credits (**7th** semester), a general average of **1.90** is required.



Class assignment condition

When the student pharmacist completes **168** credits, he/she is entitled to move to the **5th** year.

Course Entitlement Condition

When the student pharmacist completes **168** credits, the course entitlement is **6** courses and **14** credits.

Course Code	Course Type	Prerequisite#	Course Name	T	P	GC	ECTS
PHAR400 ^a	Compulsory	PHAR300	Training 3 (Summer)*	0	0	0	3
PHAR501	Compulsory	-	Research Design and Literature Search of Graduation Thesis	0	3	6 ^b	13
PHARXXX	Elective	-		2	0	2	2
PHARXXX	Elective	-		2	0	2	2
PHARXXX	Elective	-		2	0	2	2
PHARXXX	Elective / Free Elective	-		2	0	2	2
Total	-	-		-	-	14	24



Course Entitlement Condition

When the student pharmacist completes **182** credits, the course entitlement is **2** courses and **18** credits.

Course Code	Course Type	Prerequisite#	Course Name	T	P	GC	ECTS
PHAR502	Compulsory	PHAR501	Scientific Writing of Graduation Thesis	0	3	6 ^b	16
PHAR504	Compulsory	PHAR400	Advanced Clinical Pharmacy and Hospital Patient Care (Pharmacy Internship)	0	25	12	14
Total	-	-		-	-	18	30
Total Graduation Credit						200	300





Elective Courses

It is necessary to spend

at least 22 credits

of elective courses for graduation.

New Code	Course Name	T	P	GC	ECTS
PHAR219	Supplementary Medicine	2	0	2	2
PHAR221	Introduction to Pharmaceutical Technology	2	0	2	2
PHAR223	Computer Applications in Pharmacy Practice	2	0	2	2
PHAR317	Cosmetics	2	0	2	2
PHAR319	Health and Drug Economy	2	0	2	2
PHAR321	Instrumental Analysis	2	0	2	2
PHAR323	Functional Groups in Organic Chemistry	2	0	2	2
PHAR318	Food and Drug Interactions	2	0	2	2
PHAR320	Good Manufacturing Practice (GMP)	2	0	2	2
PHAR322	Nutrition and Physical Activity Counselling	3	0	3	3
PHAR416	Herbal Products and Supplements	3	0	3	3
PHAR420	Introduction to Biochemistry Laboratory	2	0	2	2
PHAR422	Protein Production by Recombinant DNA Technology	2	0	2	2
PHAR424	Fundamentals of "Pharmapreneurship"	3	0	3	3
PHAR426	Pharmacy Practice Innovation	2	0	2	2
PHAR503	Oxidants and Antioxidants	2	0	2	2
PHAR507	Basic Principles of Radiopharmacy	2	0	2	2
PHAR509	Patient Education and Monitoring	2	0	2	2
PHAR511	Drug Design	2	0	2	2
PHAR513	Drug Information in Clinical Pharmacy	2	0	2	2
PHAR515	Manufacturing and Quality Control of Active Pharmaceuticals Ingredients	2	0	2	2
PHAR517	Nutrition for Pharmaceutical Sciences	3	0	3	3
PHAR519	Special Topics in Biochemistry	2	0	2	2
PHAR521	Pharmacovigilance and Drug Interactions	2	0	2	2
PHAR523	Industrial Pharmacy	2	0	2	2
PHAR525	Pharma 4.0	2	0	2	2
PHAR527	Nanotherapeutics	2	0	2	2
PHAR529	Patients' Safety and Medical Error	2	0	2	2
PHAR428	DNA Isolation, Amplification and DNA Library	2	3	3	4
PHAR 533	"Principle of Radiopharmaceutical Science" 2 kredi teori 0 kredi prati	2	0	2	2



Course Entitlement Condition



- In the **1st** semester, the course entitlement is **9/10** courses and **22** credits.
- When the student pharmacist completes **22** credits, the course entitlement is **8/9** courses and **18** credits.
- When the student pharmacist completes **40** credits, the course entitlement is **10** courses and **23** credits.
- When the student pharmacist completes **63** credits, the course entitlement is **11** courses and **24** credits.
- When the student pharmacist completes **87** credits, the course entitlement is **11** courses and **21** credits.
- When the student pharmacist completes **108** credits, the course entitlement is **10** courses and **20** credits.
- When the student pharmacist completes **128** credits, the course entitlement is **10** courses and **21** credits.
- When the student pharmacist completes **149** credits, the course entitlement is **8** courses and **19** credits.
- When the student pharmacist completes **168** credits, the course entitlement is **6** courses and **14** credits.
- When the student pharmacist completes **182** credits, the course entitlement is **2** courses and **18** credits.



Class assignment condition



- If the student is successful in the **English Preparatory Exam**, he/she is entitled to move to the **1st** year.
- When the student pharmacist completes **40** credits, he/she is entitled to move to the **2nd** year.
- When the student pharmacist completes **87** credits, he/she is entitled to move to the **3rd** year.
- When the student pharmacist completes **128** credits, he/she is entitled to move to the **4th** year.
- When the student pharmacist completes **168** credits, he/she is entitled to move to the **5th** year.



Academic Incompetence Condition



- When the student pharmacist completes **40** credits (**2nd** semester), a general average of **1.00** is required.
- When the student pharmacist completes **63** credits (**3rd** semester), a general average of **1.30** is required.
- When the student pharmacist completes **87** credits (**4th** semester), a general average of **1.50** is required.
- When the student pharmacist completes **108** credits (**5th** semester), a general average of **1.70** is required.
- When the student pharmacist completes **128** credits (**6th** semester), a general average of **1.80** is required.
- When the student pharmacist completes **149** credits (**7th** semester), a general average of **1.90** is required.

GRADING SYSTEM

A	90-100	4.00
A⁻	85-89	3.70
B⁺	80-84	3.30
B	75-79	3.00
B⁻	70-74	2.70
C⁺	65-69	2.30
C	60-64	2.00
C⁻	55-59	1.70
D⁺	50-54	1.30
D	45-49	1.00
S		Successful
EX		Exempt





Whish you all the best with success and health ...



Thank you for your attention



^aIn order to take PHAR400, student should pass all of the previous courses.

^bFor each student, 6 credits and the upper limit for the instructor is 12 credits.

FOR GRADUATION: Students should take at least 22 credits from electives.

#A prerequisite means a course that a student must have taken prior to enrolling in a specific course or program. For example, for taking Organic Chemistry 1 the prerequisite course which is General Chemistry should be taken and passed in previous semester.

1. Students on academic probation can take a maximum of 2 new courses and 2 repeat courses (maximum of 12 credits). Students that are not on academic probation but have a CGPA below 2.00 can take 3 new courses plus 1 repeat course.

2. Registered students (who are not in their first or last year of studies) may take a maximum of 4 new courses (maximum 12 credits) providing that their CGPA is 2.00 and above and there are no course clashes.

3. Students that have 4 courses remaining to graduate (credit and/or non-credit courses) can take these courses (total credit hours not to exceed 12) with the approval of their Department and Faculty, provided that they have a feasible CGPA for graduation at the end of the summer term.

4. Students who have successfully completed the Foundation English Program can take a maximum of 4 new courses (maximum of 12 credits) from the first year of their department; provided that no clashes occur in the schedule.

5. Graduating students, wishing to increase their CGPA can repeat a maximum of 4 courses. The final grades awarded will be shown on their transcripts.

6. No "Add/Drop" can be done during the Summer Semester.

7. Students registering for Summer Semester are required to pay for all of their debt from the previous semesters.