

Orientation and Graduation Road Map **PROGRAM 2022**

**For GAU Students Pharmacists
who will graduate in the Spring semester of 2022**

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April-13-2022
Wednesday 12:00
Senate Congress Hall (Millennium, Faculty of Pharmacy)



**FACULTY OF PHARMACY
UNDERGRADUATE 5-YEAR PROGRAM**

***Orientation and Graduation Road Map
Program 2022***



Dr. Paria EGHBALI
Vice-Dean and Head Department of Analytical Chemistry

Introduction

- Girne American University, Faculty of Pharmacy started to offer education for Bachelor's Degree 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.

Mission

- To graduate qualified Pharmacists are expert in the field of medicines and pharmacotherapy, and Pharmaceutical Scientists who are actively involved starting from the discovery and development of drugs.
- The aim and oversee trained with the principles and ethical concepts of the Pharmacy Profession and equipped with high level international competency framework to serve as primary care health advisors in the community.
- They practice in a variety of settings by being exposed to realistic practical knowledge that is acquired from classwork combined with skills training, to ensure that they are prepared to become competent Pharmacists.
- They possess analytical and critical thinking abilities and are ready to work effectively and efficiently as a team member within the scope of Cognitive Pharmacy Services, Pharmacy Practice, Pharmaceutical Sciences, and Public Health.

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”.

Education

- Putting a considerable focus on laboratory applications, GAU provides the necessary theoretical courses to empower the student pharmacists through “innovation-friendly academic education” based on Pharmaceutical, Biomedical, Clinical, Social, and Managerial Sciences that enable them to perform as innovative practitioners providing value-focused and cost-effective products and services at all pharmacy profession career paths.
- They in 5-year program, in order to graduate, are required to perform their internship practices in the areas of community pharmacy, hospital pharmacy, pharmaceutical industry, and cosmetic industry for a minimum period of 6 months.

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** courses and **25** credits.

Course Code	Course Type	Prerequisite	<u>FIRST SEMESTER</u> Course Name	T	P	GC	ECTS
PHR101	Compulsory		General Chemistry	3	0	3	5
PHR103	Compulsory		Medical Biology and Genetics	4	0	4	6
PHR105	Compulsory		Pharmacy Terminology	2	0	2	2
PHR107	Compulsory		Behavioral Sciences	2	0	2	2
COMP103	Compulsory		Introduction to Computer	2	2	3	3
EGL101	Compulsory		Reading and Writing Skills I	2	2	3	3
TURK101	Compulsory		Composition and Elementary Turkish (Only for Turkish and Cypriot Students)	2	0	2	2
TFL101	Compulsory		Turkish for Foreigners (Only for Foreign Students)	2	0	2	2
MTE101	Compulsory		Elementary Calculus	3	0	3	3
PHR109	Compulsory		Physics	3	0	3	4
TOTAL						25	30

Course Entitlement Condition

When the pharmacist student completes **25** credits, the course entitlement is **8** courses and **21** credits.

Course Code	Course Type	Prerequisite	<u>SECOND SEMESTER</u> Course Name	T	P	GC	ECTS
PHR102	Compulsory	PHR101	Analytical Chemistry I (LAB: Analytical Chemistry I)	2	3	3	5
PHR104	Compulsory	PHR101	Organic Chemistry	4	0	4	6
PHR106	Compulsory		Biostatistics	2	0	2	2
PHR108	Compulsory		Anatomy	2	0	3	2
PHR120	Compulsory		Plant Biology	2	0	2	3
EGL102	Compulsory	EGL101	Reading And Writing Skills II	2	2	3	3
TURK102	Compulsory		Turkish II: Oral Communication/Intermediate Turkish (Only for Turkish and Cypriot Students)	2	0	2	2
TFL102	Compulsory		Turkish for Foreigners (Only for Foreign Students)	2	0	2	2
PHRxxx	Elective			2	0	2	3
TOTAL						21	26

Class assignment condition

When the pharmacist student completes **46** credits, he/she is entitled to move to the **2nd** year.

Course Entitlement Condition

When the pharmacist student completes **46** credits, the course entitlement is **9** courses and **24** credits.

Course Code	Course Type	Prerequisite	<u>THIRD SEMESTER</u> Course Name	T		GC	ECTS
PHR201	Compulsory	PHR101, PHR102	Analytical Chemistry II (LAB: Analytical Chemistry II)	2	3	3	4
PHR203	Compulsory	PHR101, PHR104	Biochemistry I	4	0	4	5
PHR205	Compulsory		Pharmaceutical Microbiology (LAB : Pharmaceutical Microbiology)	3	3	4	5
PHR207	Compulsory		Introduction to Pharmacy and Pharmacy Practice	2	2	3	3
PHR213	Compulsory		Immunology	2	0	2	3
PHR209	Compulsory		Physiology	2	0	2	4
PHR211	Compulsory		Public Health	2	0	2	2
TAR101	Compulsory		Atatürk's Prince. / Hist. Turk. Reforms I: Hist. Civil. II (Only for Turkish and Cypriot Students)	2	0	2	2
PHRxxx	Elective			2	0	2	2
TOTAL						24	30

Academic Incompetence Condition

When the student completes **46** credits (**2nd** semester), a general average of **1.00** is required.

Course Entitlement Condition

When the pharmacist student completes **70** credits, the course entitlement is **8** courses and **24** credits.

Course Code	Course Type	Prerequisite	<u>FOURTH SEMESTER</u> Course Name	T		GC	ECTS
PHR202	Compulsory		Pharmaceutical Technology I (LAB: Pharmaceutical Technology I)	3	3	4	6
PHR204	Compulsory	PHR203	Biochemistry II	2	0	2	3
PHR206	Compulsory	PHR101, PHR102, PHR104, PHR201	Pharmaceutical Chemistry I (LAB: Pharmaceutical Chemistry I)	3	3	4	5
PHR208	Compulsory		Pathophysiology	2	0	2	2
PHR210	Compulsory	PHR105	Pharmacology I	4	0	4	6
PHR212	Compulsory		Pharmaceutical Botany	3	3	4	4
TAR102	Compulsory		Atatürk's Prin. and Hist. of Turk. Reforms II: Hist. of Civil. II (Only for Turkish and Cypriot Students)	2	0	2	2
PHRxxx	Elective			2	0	2	2
TOTAL						24	30

Academic Incompetence Condition

When the student completes **70** credits (**3rd** semester), a general average of **1.30** is required.

Class assignment condition

When the pharmacist student completes **94** credits, he/she is entitled to move to the **3rd** year.

Course Entitlement Condition

When the pharmacist student completes **94** credits, the course entitlement is **7** courses and **20** credits.

Course Code	Course Type	Prerequisite	<u>FIFTH SEMESTER</u> Course Name	T		GC	ECT S
PHR301	Compulsory	PHR212	Pharmacognosy I (LAB: Pharmacognosy I)	2	3	3	5
PHR303	Compulsory	PHR206	Pharmaceutical Chemistry II (LAB: Pharmaceutical Chemistry II)	3	3	4	5
PHR305	Compulsory	PHR202	Pharmaceutical Technology II (LAB: Pharmaceutical Technology II)	4	4	6	6
PHR307	Compulsory	PHR210	Pharmacology II	2	0	2	4
PHR309	Compulsory	PHR203, PHR204	Clinical Biochemistry (LAB: Basic Clinical Biochemistry Techniques)	1	4	3	5
PHR200	Compulsory	PHR105, PHR210	Training I (in summer): Community Pharmacy Training	0	0	0	3
PHRxxx	Elective			2	0	2	2
TOTAL						20	30

Academic Incompetence Condition

When the student completes **94** credits (**4th** semester), a general average of **1.50** is required.

Course Entitlement Condition

When the pharmacist student completes **114** credits, the course entitlement is **7** courses and **21** credits.

Course Code	Course Type	Prerequisite	<u>SIXTH SEMESTER</u> Course Name	T	P	GC	ECTS
PHR302	Compulsory	PHR301	Pharmacognosy II (LAB: Pharmacognosy II)	2	3	3	5
PHR304	Compulsory	PHR206, PHR303	Pharmaceutical Chemistry III (LAB: Pharmaceutical Chemistry III)	3	3	4	5
PHR306	Compulsory	PHR202, PHR305	Pharmaceutical Technology III (LAB: Pharmaceutical Technology III)	4	4	6	6
PHR308	Compulsory	PHR210, PHR307	Pharmacotherapy	2	0	2	4
PHR310	Compulsory	PHR210, PHR307	Pharmacology III	2	0	2	4
PHR312	Compulsory		First Aid	2	0	2	3
PHR314	Compulsory		History of Pharmacy and Deontology	2	0	2	3
TOTAL						21	30

Academic Incompetence Condition

When the student completes **114** credits (**5th** semester), a general average of **1.70** is required.

Class assignment condition

When the pharmacist student completes **135** credits, he/she is entitled to move to the **4th** year.

Course Entitlement Condition

When the pharmacist student completes **135** credits, the course entitlement is **7** courses and **18** credits.

Course Code	Course Type	Prerequisite	<u>SEVENTH SEMESTER</u> Course Name	T	P	GC	ECTS
PHR401	Compulsory		Pharmaceutical Biotechnology	2	0	2	4
PHR403	Compulsory	PHR202, PHR305, PHR306	Pharmaceutical Technology IV (LAB : Pharmaceutical TechnologyIV)	3	3	4	6
PHR405	Compulsory	PHR210, PHR307, PHR310	Pharmaceutical Toxicology (LAB: Pharmaceutical Toxicology)	3	3	4	5
PHR407	Compulsory	PHR301, PHR302	Pharmacognosy III (LAB: Pharmacognosy III)	2	3	3	4
PHR409	Compulsory	PHR210, PHR307, PHR310	Clinical Pharmacy and Pharmaceutical Care I	2	3	3	6
PHR300	Compulsory	PHR105, PHR210, PHR307, PHR310	Training II (in summer): Hospital and/or Community Pharmacy Training	0	0	0	3
PHRxxx	Elective			2	0	2	2
TOTAL						18	30

Academic Incompetence Condition

When the student completes **135** credits (**6th** semester), a general average of **1.80** is required.

Course Entitlement Condition

When the pharmacist student completes **153** credits, the course entitlement is **8** courses and **20** credits.

Course Code	Course Type	Prerequisite	<u>EIGHTH SEMESTER</u> Course Name	T	P	GC	ECTS
PHR402	Compulsory	PHR202, PHR305, PHR306, PHR403	Biopharmaceutics Technology (Pharmacokinetics)	2	0	2	4
PHR404	Compulsory		Research Methods and Skills	2	0	2	3
PHR406	Compulsory		Law, Ethics and Professionalism in Pharmacy Practice	2	0	2	4
PHR408	Compulsory	PHR409	Clinical Pharmacy Pharmaceutical Care II	3	2	4	6
PHR410	Compulsory	PHR202, PHR305, PHR306, PHR403	Cosmetology	2	2	3	5
PHR411	Compulsory		Pharmacy Management	2	0	2	3
PHRxxx	Elective			2	0	2	2
PHRxxx	Free Elective			3	0	3	3
TOTAL						20	30

Academic Incompetence Condition

When the student completes **153** credits (**7th** semester), a general average of **1.90** is required.

Class assignment condition

When the pharmacist student completes **173** credits, he/she is entitled to move to the **5th** year.

Course Entitlement Condition

When the pharmacist student completes **173** credits, the course entitlement is **7** courses and **15** credits.

Course Code	Course Type	Prerequisite	<u>NINTH SEMESTER</u> Course Name	T	P	GC	ECTS
PHR400	Compulsory	PHR409, PHR408	Training III (in Summer) Industry Training I	0	0	0	3
PHR500	Compulsory	PHR409, PHR408	Training IV	0	0	0	2
PHR501	Compulsory		Graduation Project I	0	14	7	13
PHRxxx	Elective			2	0	2	3
PHRxxx	Elective			2	0	2	3
PHRxxx	Elective			2	0	2	3
PHRxxx	Free Elective			2	0	2	3
TOTAL						15	30

Course Entitlement Condition

When the pharmacist student completes **188** credits, the course entitlement is **4** courses and **20** credits.

Course Code	Course Type	Prerequisite	<u>TENTH SEMESTER</u> Course Name	T	P	GC	ECTS
PHR502	Compulsory		Graduation Project II	0	16	8	16
PHR504	Compulsory	PHR409, PHR408	Training IV (in Summer) Industry Training II	0	25	12	14
TOTAL						20	30

Turkish and Cypriot students should take **208** GAU Credits (**300** ECTS Credits) for Graduation

Foreign students should take **204** GAU Credits (**300** ECTS Credits) for Graduation

Elective Course's

Course Code	Course Type	Course Name	T	P	GC	ECTS
PHR112	Elective	Introduction to Pharmaceutical Technology	2	0	2	3
PHR216	Elective	Woman's Health	2	0	2	3
PHR311	Elective	Health and Drug Economy	2	0	2	3
PHR312	Elective	Computer Applications in Pharmacy Practice	2	0	0	3
PHR413	Elective	Drug Information in Clinical Pharmacy	2	0	2	3
PHR414	Elective	Basic Principal of Radio Pharmacy	2	0	2	3
PHR415	Elective	Patients' Safety and Medical Error	2	0	2	3
PHR416	Elective	Good Manufacturing Practice (GMP)	2	0	2	3
PHR417	Elective	Principles of Pharmaceutical Care	2	0	2	3
PHR418	Elective	Industrial Pharmacy	2	0	2	3
PHR419	Elective	Nutrimental Plants	2	0	2	3
PHR428	Elective	Manufacturing and Quality Control of Active Pharmaceuticals	2	0	2	3
PHR421	Elective	Pharmacovigilance and Drug Interactions	2	0	2	3
PHR422	Elective	Protein Production by Recombinant DNA Technology	2	0	2	3
PHR420	Elective	Introduction to Biochemistry Laboratory	2	0	2	3
PHR424	Elective	Cell Culture Techniques	2	0	2	3
PHR426	Elective	Pharmacy Practice Innovation	2	0	2	3
PHR503	Elective	Oxidants and Antioxidants	2	0	2	3
PHR505	Elective	Perfume and Perfume's Chemistry	2	0	2	3
PHR508	Elective	Fundamentals of "Pharmapreneurship"	2	0	2	3
PHR509	Elective	Patient Education and Monitoring	2	0	2	3
PHR511	Elective	Drug Design	2	0	2	3
PHR513	Elective	Drug License and Patent	2	0	2	3
PHR515	Elective	Phytotherapy Applied	2	0	2	3
PHR517	Elective	Introduction to Pharmaeconomic Analyses	2	0	2	3
PHR519	Elective	Special Topics in Biochemistry	2	0	2	3

- It is necessary to spend **at least 22 credits** of elective courses for graduation.

Course Entitlement Condition

SEMESTER	NUMBER of COURSES	CREDIT
1 st	9	25
2 nd	8	21
3 rd	9	22-24
4 th	8	22-24
5 th	7	20
7 th	7	21
8 th	7	18
9 th	8	20
10 th	7	15
Final	4	20
TOTAL	For Turkish and Cypriot Students	208
TOTAL	For Foreign Students	204

Course Entitlement Condition

- In the **1st** semester, the course entitlement is **9** courses and **25** credits.
- When the pharmacist student completes **25** credits, the course entitlement is **8** courses and **21** credits.
- When the pharmacist student completes **46** credits, the course entitlement is **9** courses and **24** credits.
- When the pharmacist student completes **70** credits, the course entitlement is **8** courses and **24** credits.
- When the pharmacist student completes **94** credits, the course entitlement is **7** courses and **20** credits.
- When the pharmacist student completes **114** credits, the course entitlement is **7** courses and **21** credits.
- When the pharmacist student completes **135** credits, the course entitlement is **7** courses and **18** credits.
- When the pharmacist student completes **153** credits, the course entitlement is **8** courses and **20** credits.
- When the pharmacist student completes **173** credits, the course entitlement is **7** courses and **15** credits.
- When the pharmacist student completes **188** credits, the course entitlement is **4** courses and **20** 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 pharmacist student completes **46** credits, he/she is entitled to move to the **2nd** year.
- When the pharmacist student completes **94** credits, he/she is entitled to move to the **3rd** year.
- When the pharmacist student completes **135** credits, he/she is entitled to move to the **4th** year.
- When the pharmacist student completes **173** credits, he/she is entitled to move to the **5th** year.

Academic Incompetence Condition

- When the student completes **46** credits (**2nd** semester), a general average of **1.00** is required.
- When the student completes **70** credits (**3rd** semester), a general average of **1.30** is required.
- When the student completes **94** credits (**4th** semester), a general average of **1.50** is required.
- When the student completes **114** credits (**5th** semester), a general average of **1.70** is required.
- When the student completes **135** credits (**6th** semester), a general average of **1.80** is required.
- When the student completes **153** credits (**7th** semester), a general average of **1.90** is required.



Your attention and participation has
been appreciated.

THANK YOU !