



Faculty of Pharmacy

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Internal Bylaws

For

Bachelor of Pharmacy

Internal Bylaws

Faculty of Pharmacy – Alexandria University

Section (1)

Faculty Departments and Academic Degrees

Article (1): The Faculty is formed of the following departments

- 1- Pharmaceutics
- 2- Pharmacology and Toxicology
- 3- Industrial Pharmacy
- 4- Pharmaceutical Microbiology and Immunology
- 5- Pharmaceutical Chemistry
- 6- Pharmacognosy
- 7- Pharmaceutical Analytical Chemistry
- 8- Pharmaceutical Biochemistry
- 9- Pharmacy Practice

Article (2): University of Alexandria grants upon the request of the Faculty of Pharmacy the following scientific degrees and diplomas:

First: Bachelor of Pharmaceutical Sciences

Second: Master of Pharmaceutical Sciences

Third: PhD in Pharmaceutical Sciences

Fourth: Postgraduates Diplomas in:

- 1- Food analysis
- 2- Analysis and biological standardization of drug
- 3- Biochemical analysis
- 4- Medicinal plants
- 5- Industrial pharmacy
- 6- Pharmaceutical microbiology
- 7- Hospital pharmacy

Fifth: Doctor of Clinical Pharmacy (PharmD)

Section (2)

Bachelor of Pharmacy

Article (3): Courses offered to be granted the Bachelor of Pharmacy are:

- Physical chemistry
- Inorganic chemistry
- Organic chemistry
- Physics
- Botany
- Zoology
- Pharmaceutical analytical chemistry
- Pharmacognosy and medicinal plants
- Pharmaceutics, pharmacy legislations and history
- Fundamentals of physiology, anatomy, and histology
- Pharmaceutical microbiology
- Phytochemistry
- Pharmaceutical chemistry
- Pharmacology
- Public health, pathology, and parasitology
- Biochemistry
- Applied pharmacognosy
- Industrial pharmacy
- Biological standardization and biostatistics
- Toxicology, forensic chemistry and first aid
- Fundamentals of Mathematics and mechanics
- Pharmaceutical management and pharmacoeconomics
- English language and terminology
- Psychology
- Human rights.
- Entrepreneurship

Article (4): The following tables show the study plan for all courses in all 10 semesters of the study:

Foundation Year

First term	Contact hours per week		Second term	Contact hours per week	
Course title	Lec.	Pract.	Course title	Lec.	Pract.
	Chemistry (A)	4		3	Chemistry (B)
Physics (A)	3	2	Physics (B)	3	2
Botany (A)	3	4	Botany (B)	3	4
Zoology (A)	2	2	Zoology (B)	2	2
English & Terminology (A)	3	--	English & Terminology (B)	3	--
	15	11		15	11

*The Chemistry is Physical Chemistry and Inorganic Chemistry

Level 1

First term	Contact hours per week		Second term	Contact hours per week	
Course title	Lec.	Pract.	Course title	Lec.	Pract.
	Organic Chemistry (A)	3		2.5	Organic Chemistry (B)
Pharmaceutical Chemistry Analytical	2	4			
Pharmacognosy & Medicinal Plants (A)	2	2.5	Pharmacognosy & Medicinal Plants (B)	2	2.5
Pharmaceutics & Pharmacy History (A)	3	2.5	Pharmaceutics & Pharmacy History (B)	3	2.5
Anatomy	2	1	Physiology	3	--
Histology	1	1			
Psychology	2	--	Fundamentals of Mathematics & Mechanics	4	--
	15	13.5		15	7.5

Level 2

First term	Contact hours per week		Second term	Contact hours per week	
Course title	Lec.	Pract.	Course title	Lec.	Pract.
Organic Chemistry (A)	3	2.5	Organic Chemistry (B)	3	2.5
Pharmaceutical Analytical Chemistry (A)	3	4	Pharmaceutical Analytical Chemistry (B)	3	4
Pharmacognosy & Medicinal Plants (A)	2	3	Pharmacognosy & Medicinal Plants (B)	2	3
Pharmaceutics (A)	2	2.5	Pharmaceutics (B)	2	2.5
Pharmaceutical Microbiology (A)	2	2	Pharmaceutical Microbiology (B)	2	2
Human Rights	1	--			
	13	14		12	14

Level 3

First term	Contact hours per week		Second term	Contact hours per week	
Course title	Lec.	Pract.	Course title	Lec.	Pract.
Phytochemistry (A)	3	3	Phytochemistry (B)	3	3
Pharmaceutical Chemistry (A)	2	2.5	Pharmaceutical Chemistry (B)	2	2.5
Pharmaceutics & Legislations (A)	3	2.5	Pharmaceutics & Legislations (B)	3	2.5
Pharmacology (A)	2	2.5	Pharmacology (B)	2	2.5
Public Health, Pathology & Parasitology (A)	3	1.5	Public Health, Pathology & Parasitology (B)	3	1.5
Biochemistry	4	4			
	17	16		13	12

Level 4

First term	Contact hours per week		Second term	Contact hours per week	
Course title	Lec.	Pract.	Course title	Lec.	Pract.
Applied Pharmacognosy (A)	2	2.5	Applied Pharmacognosy (B)	2	2.5
Pharmaceutical Chemistry (A)	2	2.5	Pharmaceutical Chemistry (B)	2	2.5

Pharmaceutics (A)	3	2.5	Pharmaceutics (B)	3	2.5
Industrial Pharmacy	4	2	Pharmaceutical Management	2	--
Toxicology, Forensic Chemistry & First Aid	4	2	Biological Standardization & Biostatistics	4	2
	15	11.5		13	9.5

Article (5): The student must be trained in pharmaceutical institutes for a period not less than 300 training hours during the summers before level 3 and 4. The faculty council shall approve the pharmaceutical institutes in which the training is conducted and the student has to report to the faculty if he stopped the training for temporary or permanent periods of time.

The student is not granted the Bachelor of Pharmacy degree unless he/she provides a certificate that can be approved by the faculty council. This certificate is issued from the manager of the pharmaceutical institute in which he/she got the training to declare that he/she were fully trained to a satisfactory level. In addition, reports from preceptors assigned by the faculty council to supervise the summer training will also be required to declare that the student’s training was satisfactory.

Article (6): The students in the “Foundation Year” are under the supervision of the Faculty of Science in all their academic, managerial and financial issues.

Article (7): The student should attend his/her lectures and practical sessions, and the faculty council can (upon the request of the departments councils) cancel the student final written exam if the attendance of the student is below the satisfactory level. In this respect the student will receive a grade of (Fail) denoting his failure in that course unless he/she shows an acceptable excuse for his/her absence.

Article (8): The following tables show the grading system for the courses of this program. Concerning the courses that have (A) part in the first term and (B) part in the second term, the marks of both terms are added together.

Foundation Year: First term

Course title	Marks				Final Exam hours
	Semester work	Written	Pract.	Total	
Chemistry (A)	30	70	50	150	2.5
Physics (A)	20	75	30	125	1.5
Botany (A)	20	75	30	125	1.5
Zoology (A)	10	45	20	75	1.5
English & Terminology (A)	--	25	--	25	1

*The Chemistry is Physical Chemistry and Inorganic Chemistry

Foundation Year: Second term

Course title	Marks				Final Exam hours
	Semester work	Written	Pract.	Total	
Chemistry (B)	30	70	50	150	2.5
Physics (B)	20	75	30	125	1.5
Botany (B)	20	75	30	125	1.5
Zoology (B)	10	45	20	75	1.5
English & Terminology (B)	--	25	--	25	1

*The Chemistry is Physical Chemistry and Inorganic Chemistry

Level 1: First term

Course title	Marks				Final Exam hours
	Sem. Work & Pract.	Written	Oral	Total	
Organic Chemistry (A)	45	75	30	150	2.15
Pharmaceutical Analytical Chemistry	90	150	60	300	3
Pharmacognosy & Medicinal Plants (A)	45	75	30	150	2.15
Pharmaceutics & Pharmacy History (A)	45	75	30	150	2.15
Anatomy	--	75	--	75	2.15
Histology	15	75	--	90	
Psychology	--	50	--	50	2

Level 1: Second term

Course title	Marks				Final Exam hours
	Sem. Work & Pract.	Written	Oral	Total	
Organic Chemistry (B)	45	75	30	150	2.15

Pharmacognosy & Medicinal Plants (B)	45	75	30	150	2.15
Pharmaceutics & Pharmacy History (B)	45	75	30	150	2.15
Physiology	--	135	--	135	2
Fundamentals of Mathematics & Mechanics	--	100	--	100	3

Level 2: First term

Course title	Marks				Final Exam hours
	Sem. Work & Pract.	Written	Oral	Total	
Organic Chemistry (A)	45	75	30	150	2.15
Pharmaceutical Analytical Chemistry (A)	45	75	30	150	2.15
Pharmacognosy & Medicinal Plants (A)	45	75	30	150	2.15
Pharmaceutics (A)	45	75	30	150	2.15
Pharmaceutical Microbiology (A)	45	75	30	150	2.15
Human Rights	--	50	--	50	1

Level 2: Second term

Course title	Marks				Final Exam hours
	Sem. Work & Pract.	Written	Oral	Total	
Organic Chemistry (B)	45	75	30	150	2.15
Pharmaceutical Analytical Chemistry (B)	45	75	30	150	2.15
Pharmacognosy & Medicinal Plants (B)	45	75	30	150	2.15
Pharmaceutics (B)	45	75	30	150	2.15
Pharmaceutical Microbiology (B)	45	75	30	150	2.15

Level 3: First term

Course title	Marks				Final Exam hours
	Sem. Work & Pract.	Written	Oral	Total	
Phytochemistry (A)	45	75	30	150	2.15

Pharmaceutical Chemistry (A)	45	75	30	150	2.15
Pharmaceutics & Legislations (A)	45	75	30	150	2.15
Pharmacology (A)	45	75	30	150	2.15
Public Health, Pathology & Parasitology (A)	45	75	30	150	2.15
Biochemistry	90	150	60	300	3

Level 3: Second term

Course title	Marks				Final Exam hours
	Sem. Work & Pract.	Written	Oral	Total	
Phytochemistry (B)	45	75	30	150	2.15
Pharmaceutical Chemistry (B)	45	75	30	150	2.15
Pharmaceutics & Legislations (B)	45	75	30	150	2.15
Pharmacology (B)	45	75	30	150	2.15
Public Health, Pathology & Parasitology (B)	45	75	30	150	2.15

Level 4: First term

Course title	Marks				Final Exam hours
	Sem. Work & Pract.	Written	Oral	Total	
Applied Pharmacognosy (A)	45	75	30	150	2.15
Pharmaceutical Chemistry (A)	45	75	30	150	2.15
Pharmaceutics (A)	45	75	30	150	2.15
Industrial Pharmacy	90	150	60	300	3
Toxicology, Forensic Chemistry & First Aid	60	100	40	200	3

Level 4: Second term

Course title	Marks				Final Exam hours
	Sem. Work & Pract.	Written	Oral	Total	
Applied Pharmacognosy (B)	45	75	30	150	2.15
Pharmaceutical Chemistry (B)	45	75	30	150	2.15
Pharmaceutics (B)	45	75	30	150	2.15
Pharmaceutical Management	---	100	--	100	2
Biological Standardization & Biostatistics	60	100	40	200	3

Article (9): The faculty council shall implement the system for semester work and practical exams as shown in article 8.

Article (10): The grading system of the courses is as follows:

Grade	Percentage of the student achievement from the total marks of the course
Excellent	85% and more
Very Good	From 75% to less than 85%
Good	From 65% to less than 75%
Satisfactory	(a) From 60% to less than 65% in core courses (b) From 50% to less than 65% in supplementary & humanitarian courses
Fail	(a) Less than 30% of the written exam marks of any course (b) Less than 60% of total marks of core courses (c) Less than 50% of the total marks of supplementary & humanitarian courses

The supplementary & humanitarian courses include English language, Fundamentals of mathematics and mechanics, psychology, pharmaceutical management and human rights.

The student shall graduate with one of the following grades according to the percentage of the cumulative total marks that he/she will achieve during the 5 years of the study of the Bachelor of Pharmacy as follows:

Grade	percentage of the cumulative total marks
Excellent	85% and more
Very Good	From 75% to less than 85%
Good	From 65% to less than 75%
Satisfactory	From 60% to less than 65%

Article (11): For the student to pass a course he/she should achieve at least 30% of the marks of the final written exam and 60% of the total course marks for core course or 50% of the total course marks for supplementary and humanitarian courses as stated in article 10 in this bylaws.

Article (12): The student goes to the next level of study if he/she passes all the courses in the previous level successfully or failed in not more than 4 courses (2 core courses

and 2 supplementary and humanitarian courses) in that previous level. If the student failed in more than 4 courses, he/she shall stay in the very same level to finish these courses. Upon repeating the courses that the student failed in previously, he/she shall achieve a grade of not more than satisfactory in these courses when he/she passes them successfully.

For the students in the final year (level 4), if he/she failed in not more than 4 courses (2 core courses and 2 supplementary and humanitarian courses); an exam is held in November to repeat these courses. If they failed again in any of these courses, they shall repeat these courses with the regular students of level 4 till they succeed in passing these courses and they shall receive a grade of not more than satisfactory in these repeated courses.

Article (13): The faculty council can accept new students in level one of the Bachelor of Pharmacy who already have Bachelor degree in: (1) Medicine, (2) Science (Chemistry or Botany), (3) Agriculture (General agricultural production track or Plants production track), or (4) Veterinary Medicine and have graduated with grades of not less than good.

Article (14)

After taking the opinion of the councils of the scientific departments, the Faculty Council may decide to teach one or more courses in the blended education (hybrid) mode so that the courses are studied at a rate of 60% face to face and 40% for distance education or any other percentage approved by the Faculty Council after taking the opinion of the relevant department council according to the nature of the course. The decision of the Faculty Council is submitted to the University's Education and Student Affairs Committee for approval in preparation for raising it to the University Council for approval.

The Faculty Council may, after taking the opinion of the councils of the specialized scientific departments and according to the nature of the courses, hold an electronic examination in one or more courses (in the whole course or part of it), and gives a permission for the correction of the exams electronically whenever the infrastructure and technical capabilities are available. The decision of the Faculty Council is submitted to the University's Education and Student Affairs Committee for approval in preparation for raising it to the University Council for approval.