



Assiut University



Faculty of Pharmacy

# **Internal Bylaw For Faculty of Pharmacy Assiut University**



**Decided by the ministry decision No. 1440 in  
30.7.2006**

**Amended by the ministry decision No. 2290 in  
8.9.2006**



Ministry decision No, 1440 in 30.7.2006 concerning implementation of the internal Bylaw of the faculty of Pharmacy, Assiut University (Bachelor degree and Higher studies).

The Minister of Higher Education and Scientific Research:

- after consulting the law No. 49 issued in 1972 concerning running the university and the laws amending it.
- and on the decision of the Republic president No. 809 for the year 1975 for the law running the university and the execution bylaw and the laws amending it.
- and on the ministry decision No. 1995 dated 27.12.1993 for implementing the internal bylaw for the faculty of pharmacy, Assiut University and the decisions modifying it.
- and on the agreement of the pharmacy sector studies in the supreme university council dated 15.7.2006.

- and on the decision of the supreme Universities council in 9 & 10.9.1998 in giving the authority to the Minister of Higher Education and scientific research to approve implementing the internal bylaw for the Universities faculties and institutes and their respective amending after the approval of the specialized sector of the Higher Education.

### **Decide**

#### **First statement**

The implementation of the internal bylaw for the faculty of pharmacy, Assiut University (Bachelor degree and Higher studies) and omit any statements that oppose it.

#### **Second statement**

All the specialized committee must carry out this decision

*The minister of Higher  
Education and Higher Research*

*Sign  
Hani Helal*

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**Article No. ( 1 )**

**Faculty Vision**

- The Faculty of Pharmacy vision is to provide excellent pharmaceutical education, research, and service activities locally, nationally and globally in a dynamic health care environment.
- It must meet and fulfill the technological and scientific research needs of pharmaceutical industries, governmental and community requirements.
- It must positively contribute, in a continuously variable world, to the development of accumulative knowledge.

## **Faculty Mission**

The Faculty of Pharmacy, Assiut University is dedicated to providing, establishing and disseminating mission statement of Faculty of Pharmacy, Assiut University, Arab Republic of Egypt.

The Faculty of Pharmacy, Assiut University is dedicated to providing, establishing and disseminating the correct pharmaceutical concepts and principles in the faculty graduates in order to enable them to carry out excellent pharmaceutical and health services in the national and regional area. This in turn will contribute in the development and improvement of the health quality of the citizens residing in these areas. The faculty is also fostering an understanding of the need for life-long pharmaceutical learning.

On the other hand, the faculty is supporting pharmaceutical as well as medical research projects which are in line with the national goals.

The pharmacy programs encourage the positive interaction with the surrounding environment and the fruitful cooperation between the pharmacy graduates and other elements of the community.

## Faculty Goals

To fulfill the mission of Assiut University and the mission of Faculty of Pharmacy, the goals of the faculty are set forth as the following:

**Goal 1:** Prepare pharmacy graduates with the attitudes, knowledge, skills, and abilities to become highly qualified pharmacists.

**Goal 2:** Produce pharmaceutical scientists, who through teaching, research and service, contribute to the body of pharmaceutical knowledge.

**Goal 3:** Promote pharmaceutical research and knowledge generation through the acquisition of extramural funding and published research data.

**Goal 4:** Build and nurture an environment, which satisfies work, career opportunities and professional growth for the faculty and staff.

Therefore staff should:

- Participate in professional meetings to stay current in their area of specialization.
- Develop a shared vision for achieving the mission of the college.
- Provide a mentorship program that enhances the skills and abilities of colleagues.

- Have access to adequate resources to build and nurture a fun, high-energy team that rewards creative actions and realizes individual aspirations.

**Goal 5:** Provide programs, resources, and services to the community.

**Article No. ( 2 )**

The Faculty Consists of the following departments:

- (1) Department of Pharmaceutics.
- (2) Department of Pharmacognosy.
- (3) Department of Medicinal Chemistry.
- (4) Department of Analytical Pharmaceutical chemistry.
- (5) Department of Organic Pharmaceutical Chemistry.
- (6) Department of Industrial Pharmacy.
- (7) Department of Clinical Pharmacy

And the collaborated departments cooperate in teaching according the system of Assiut University. The Faculty can set up other departments according to the rules governing Universities.

**Article No (3):**

Inter in each department specialization teaching of all the courses belonging to it and the department is responsible for preparing the scientific content of each course in its specialization also running researches in this specialization.

**Article No. (4)**

Every department in the faculty is specialized in teaching the courses underlined under it as follows:



1- Department of pharmaceutics

Pharmaceutics-1, Pharmaceutics-2, History of Pharmacy and Pharmacy orientation, Physical pharmacy-1, Introduction to pharmaceutical dosage forms, Physical pharmacy-2, Pharmacy legislation, Biopharmaceutics & Pharmacokinetics, Pharmacy practice and Hospital Pharmacy, Clinical Pharmacy and elective course in pharmaceutics.

2- Pharmacognosy department:

Pharmacognosy-1, Pharmacognosy-2, Pharmacognosy-3, Pharmacognosy-4 , Chemistry of natural products-1, Chemistry of natural products-2, Applied pharmacognosy-1, Applied pharmacognosy-2 and an elective course in pharmacognosy and Biotechnology.

3- Medicinal Chemistry department :

Medicinal Chemistry-1, Medicinal Chemistry-2, Medicinal Chemistry-3, Medicinal Chemistry-4 and elective course in drug design.

4- Organic Pharmaceutical Chemistry department:

Organic Pharmaceutical Chemistry-1, Organic Pharmaceutical Chemistry-2, Organic Pharmaceutical Chemistry-3 , Organic Pharmaceutical Chemistry-4 and an elective course in recent drug synthesis and purification.

5- Analytical Pharmaceutical Chemistry department:

Analytical Pharmaceutical Chemistry-1, Analytical Pharmaceutical Chemistry-2, Instrumental and applied pharmaceutical analysis-1, Instrumental and applied pharmaceutical analysis-2 and elective course in quality control and quality assurance.

6- Industrial Pharmacy Department:

Industrial pharmacy-1, Industrial pharmacy-2 and an elective course in Drug manufacturing.

### **Article No. (5)**

Scientific degrees awarded: (It was substituted by the ministry decision No. 2290 to include clinical pharmacy program according to the credit hours system).

Assiut University awards according to the request of the council of faculty pharmacy the Bachelor degree in the following specialization:

- 1- Pharmaceutical sciences
- 2- Clinical pharmacy according to credit hours system.

Second: Transition Rules:-

- (1) This bylaw rules will be applied from the following studying year from the issue of the ministry decision for the preparatory year students in this year whether they are fresh or doublers.
- (2) For the other students in the other classes or/ years they are governed by the old bylaw concerning education and examination till their graduation.

Third: Bachelor stage:

### **Article No, (7):**

Admission Rules:

- (1) The students will be accepted for studying in the college according to the rules issued by the admission regulation office for universities each year among the students who get the secondary year certificate or an equal certificate according to the rules of article No. 75 from the executive bylaw of the university regulations.
- (2) The college will accept students who would transferred from respective colleges according to decisions from

the supreme university council, and in this case the student may not be exposed to examinations in the subjects already had passed it after going equalization between these subjects by the specialized departments and this must be approved by the faculty council, the council of student and education affairs and the university president.

**Article No. (8)**

- (1) The adopted studying system in the faculty is the semester system in which the year is divided into two successive semesters.
- (2) The period of study to get the Bachelor degree is five years divided into 10 semesters.
- (3) The period of the semester is 15 weeks followed by written and oral examinations for each semester separately. The practical examinations are running during or at the end of each semester.

**Article No. (9):**

The studied subjects which must be passed successfully to obtain the Bachelor degree in pharmaceutical sciences are:-

First: Subjects which must be passed by all students which include:

General Botany - Zoology-Physical Chemistry & Inorganic Chemistry - Principles of Mathematics And Statistics - English Language and Terminology - Organic Chemistry - Physics - Anatomy and Histology - Computer Science-Psychology - Introduction To Pharmaceutical Dosage Forms - Pharmacognosy and Medicinal Plants - Organic Pharmaceutical Chemistry - Analytical Pharmaceutical Chemistry - Human Rights - Pharmacy Administration - Physical Pharmacy - Physiology - Microbiology and Immunity - Pharmacy Legislation - Pharmaceutics-Pathology & Paracitology - Chemistry of Natural Products - Medicinal Chemistry - Pharmacology - Hygiene-

Biochemistry - Biopharmaceutics & Pharmacokinetics -  
Drug Marketing - Pharmacy Practice & Hospital Pharmacy  
- Applied Pharmacognosy - Industrial Pharmacy -  
Toxicology & Forensic Medicine - First Aids - Clinical  
Pharmacy - Bioassay and Biostatistics.

Second: Elective courses:

A- The student of the fourth year select an elective course each semester from the following courses:

- 1- Selective subjects in pharmaceutics (pharmaceutics dept.)
- 2- Selective subjects in pharmacognosy (pharmacognosy dept.)
- 3- Selective subjects in drug manufacturing (industrial pharmacy Dept.)
- 4- Selective subjects in drug design (medicinal chemistry dept.)
- 5- Recent methods for preparing crude drugs and their purification (pharmaceutical organic chemistry dept.)
- 6- Quality control and quality Assurance (pharmaceutical analytical chemistry dept.)
- 7- Clinical pharmacy (pharmaceutics and pharmacology).

B- The Faculty council after considering the opinion of the corresponding departments can add or omit any elective courses also the council can specify the specialized department for teaching such courses.

C- The Faculty council agrees on the elective courses for the student depending on the level of the student on the corresponding obligatory subjects and also on the level of the semester in which these elective courses submitted, also the faculty council agrees on the number of the students joined each elective course,

after considering the opinion of the corresponding department.

D- The Faculty council is responsible for organization and distribution of the elective courses with regarding the nature of these courses.

E- The student must succeed in the elective courses to obtain the Bachelor degree. The degrees of these elective courses are added to the cumulative marks.

Third: The Faculty council decides after considering the corresponding departments opinion the scientific content of each elective course.

**Article No. 10 :**

The following tables demonstrate the distribution of the courses over the studying years and the corresponding hours per week for the theoretical and practical lessons for the two semesters. Also the tables demonstrate the distribution of the marks as round, practical, theoretical and oral examination marks as well as the time of the theoretical examinations.

## Preparatory Pharmacy

<b>(A) First Semester</b>	Hours / week		Marks of the Exam				Time of the theoretical Exam	
	Lecture	Practical	Round	Practical	written	Oral		Total
1- General botany	5	3	25	75	150	-	250	3
2- Zoology	3	3	15	45	90	-	150	3
3- Physical chemistry and Inorganic chemistry	3	2	20	-	75	-	250	3
4- Mathematics and statistics	2	-	-	-	50	-	50	2
5- English language and terminology	2	-	-	-	50	-	50	2
Total	17	10	-	-	-	-	750	

<b>(B) Second Semester</b>	Hours / week		Marks of the Exam				Time of the theoretical Exam	
	Lecture	Practical	Round	Practical	written	Oral		Total
1- Organic chemistry	2	2	25	45	80	-	150	2
2- Physics	4	3	25	75	150	-	250	3
3- Anatomy and Histology	2	1	15	-	60	20	200	3
4- Pharmacy history and introduction pharmacy	2	-	-	-	80	20	100	2
5- Computer science	2	2	-	-	50	-	100	2
6- Psychology	2	-	-	-	-	-	50	-
Total	16	9	-	-	-	-	850	

## First Year Pharmacy:

(A) First Semester	Hours / week		Marks of the Exam				Time of the theoretical Exam	
	Lecture	Practical	Round	Practical	written	Oral		Total
1- Introduction to pharmaceutical dosage forms	3	3	15	45	70	20	150	3
2- Pharmacognosy-1	2	3	15	45	70	20	150	2
3- Pharmaceutical organic chemistry-1	3	3	15	45	70	20	150	3
4- Pharmaceutical analytical chemistry-1	2	3	15	45	70	20	150	2
5- Physiology	4	-	15	-	100	35	150	3
Total	14	12	15				750	

(B) Second Semester	Hours / week		Marks of the Exam				Time of the theoretical Exam	
	Lecture	Practical	Round	Practical	written	Oral		Total
1- Physical pharmacy-1	3	3	15	45	70	20	150	3
2- Pharmacognosy-2	2	3	15	45	70	20	150	2
3- Pharmaceutical organic chemistry-2	3	3	15	45	70	20	150	3
4- Pharmaceutical analytical chemistry-2	2	3	15	45	70	20	150	2
5- Human rights	2	-	-	-	50	-	50	2
6- Pharmacy administration	2	-	-	-	100	-	100	2
Total	14	12					750	

## Second Year Pharmacy:

(A) First Semester	Hours / week		Marks of the Exam				Time of the theoretical Exam	
	Lecture	Practical	Round	Practical	written	Oral		Total
1- Physical pharmacy-2	2	3	15	45	70	20	150	2
2- Pharmacognosy-3	3	3	15	45	70	20	150	3
3- Pharmaceutical organic chemistry-3	3	3	15	45	70	20	150	3
4- Instrumental and applied pharmaceutical analysis-1	2	3	15	45	70	20	150	3
5- General microbiology and immunology	2	2	15	45	70	20	150	2
6- Pharmacy legislation	1	-	-	-	50	-	50	1
Total	13	14					800	

  

(B) Second Semester	Hours / week		Marks of the Exam				Time of the theoretical Exam	
	Lecture	Practical	Round	Practical	written	Oral		Total
1- Pharmaceutics-1	2	3	15	45	70	20	150	2
2- Pharmacognosy-4	2	3	15	45	70	20	150	3
3- Pharmaceutical organic chemistry-4	3	3	15	45	70	20	150	3
4- Instrumental and applied pharmaceutical analysis-2	2	3	15	45	70	20	150	2
5- Pharmaceutical microbiology	2	2	15	45	70	20	150	2
6- Pathology and Paracytology	2	1	10	15	40	10	150	3
Total	15	16					900	



### Third Year Pharmacy:

(A) First Semester	Hours / week		Marks of the Exam				Time of the theoretical Exam	
	Lecture	Practical	Round	Practical	written	Oral		Total
1- Pharmaceutics-2	3	3	15	45	70	20	150	3
2- Natural products chemistry-1	3	3	15	45	70	20	150	3
3- Medicinal chemistry-1	2	3	15	45	70	20	150	2
4- Pharmacology-1	3	2	15	45	70	20	150	3
5- Biochemistry-1	3	2	15	45	70	20	150	3
6- Hygiene	2	-	20	-	80	-	100	2
<b>Total</b>	<b>16</b>	<b>13</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>850</b>	<b>-</b>

(B) Second Semester	Hours / week		Marks of the Exam				Time of the theoretical Exam	
	Lecture	Practical	Round	Practical	written	Oral		Total
1- Biopharmaceutics and pharmacokinetics	2	2	15	45	70	20	150	2
2- Natural products chemistry-2	3	3	15	45	70	20	150	3
3- Medicinal chemistry-2	2	3	15	45	70	20	150	2
4- Pharmacology-2	3	2	15	45	70	20	150	3
5- Biochemistry-2	3	2	15	45	70	20	150	3
6- Drug information marketing	2	-	-	-	100	-	100	2
<b>Total</b>	<b>15</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>850</b>	<b>-</b>

### Fourth Year Pharmacy:

(A) First Semester	Hours / week			Marks of the Exam				Time of the theoretical Exam
	Lecture	Practical	Round	Practical	written	Oral	Total	
1- Pharmacy Practice and Hospital Pharmacy	3	3	15	45	70	20	150	3
2- Applied pharmacognosy-1	2	2	15	45	70	20	150	2
3- Medicinal chemistry-3	2	3	15	45	70	20	150	2
4- Industrial pharmacy-1	2	3	15	45	70	20	150	2
5- Toxicology and Forensic chemistry	3	2	15	45	70	20	150	3
6- First aids	1	-	-	-	50	-	50	2
7- Elective course	2	2	-	20	60	20	100	2
<b>Total</b>	<b>15</b>	<b>15</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>900</b>	

  

(B) Second Semester	Hours / week			Marks of the Exam				Time of the theoretical Exam
	Lecture	Practical	Round	Practical	written	Oral	Total	
1- Clinical pharmacy	3	3	15	45	70	20	150	3
2- Applied pharmacognosy-2	2	2	15	45	70	20	150	2
3- Medicinal chemistry-4	2	3	15	45	70	20	150	2
4- Industrial pharmacy-2	2	3	15	45	70	20	150	2
5- Bioassay and biostatistics	3	2	15	45	70	20	150	3
6- Elective course	2	2	-	20	60	20	100	2
<b>Total</b>	<b>14</b>	<b>15</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>850</b>	

**Article No. 11 :**

The Courses which is taught in any of the two semesters considered as separate courses

**Article No. 12 :**

The student must attend the theoretical and practical lessons. The Faculty council upon the request of the corresponding departments can punish the student from attending the examinations if the ratio of the absence in the practical sections exceeds 25% from the total, the student considered fail in these courses except if they admit an exeat accepted by the Faculty council. In this case the student will be omitted from the examinations with accepted exeat. The omitted student from examination whether with accepted exeat or not must attend the practical lessons in the next year.

**Article No. 13 :**

For the student to succeed in the courses he must get the grade of satisfactory from the total marks of the course. The student considered fail if he does not get 30% from the marks of the written examination.

**Article No. 14 :**

The success of the student in any course and the general grades are as follows:

**Excellent :** 85% and more of the total marks

**Very good:** from 75% to less than 85% from the total marks

**Good:** From 65% to less than 75% from the total marks

**Satisfactory:**

- a- From 60% to less than 65% from the total marks in the main courses.
- b- In the complementary courses from 50% to less than 65% from the total marks.

- c- In the general grade: for the student who succeed in all courses and get less than 65% from the total marks.

The failure of the student is evaluated by one estimate of those two:

**Weak:**

- a- From 30% to less than 60% from the total marks in the main courses.
- b- From 30% to less than 50% from the total marks in the complementary courses.

**Very Weak:**

Less than 30% of the total marks of the course.

**N.B:** \* Complementary courses include: English language – Mathematics – Computer science – Psychology - Pharmacy administration – Drug information and marketing - Human rights – pharmacy legislation – Fist aids.

**Article No. 15:**

- (1) The student will be transmitted from his studying year to the upper year if he succeed in all courses or fail in not more than four courses from which not more than 2 are main courses from his year or lower years. In this case he will do examinations in the courses he fail in the respective semesters and he will be examined as oral, written and practical in all the failed courses. The success is evaluated in these courses by the highest grade of satisfactory, and the marks of the round examinations is added to the written examination.
- (2) The students of the final year who failed in four courses, two of then are main at most will be examined in a second exam in september. If the failure is repeated, they will be examined in the failed courses in the respective semesters till they succeed.

**Article No. 16:**

For the external students, their examination will be held at the end of the semester in which these courses are administrated. These examinations are practical, written and oral and the marks will divided as shown in article

(15). The success in these courses will be evaluated by the highest grade of satisfactory.

**Article No. 17:**

The evaluation of the final year students will be considered on the total cumulative marks which the student has got in all the studying years.

**Article No. 18:**

The student must do practical training in pharmaceutical foundations for at least 300 hours during the summer holiday that precedes the final year. The faculty council appoints the pharmaceutical foundation that the students will do training in during this holiday. The student must announce the faculty if he stop his training, whether it is temporary or permanent stop. The student will not gain his Bachelor degree except he offers a certificate approved by the faculty council from the pharmaceutical foundation certifying that he spends the time of training. This training must be discussed by the faculty members appointed by the faculty council.

**Article No. 19:**

The students of the final year carry out a scientific trip to visit some pharmaceutical companies to watch the recent methods in drug manufacturing and observe the practical applications of which the student has studied. The faculty council put the rules over which the selection of the students based on, upon the suggestion of the committee of student and education affairs.

**Article No. 20:**

The university council can omit, add or amend this bylaw upon the suggestions of the departments councils for developing the education process after the agreement of the faculty council and the pharmacy educational sector.