



Programme Report for

Undergraduates

2021-2022

Faculty of Pharmacy



2021-2022

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Educational Programme Report

A- Basic Information:

A.1. Programme Title: Bachelor of pharmacy.
A.2. Programme type: Single Double Multiple

A.3. Departments:

a- Departments affiliated to Faculty of Pharmacy:

Pharmaceutics, Pharmacognosy, Medicinal Chemistry, Pharmaceutical Organic Chemistry, Pharmaceutical Analytical Chemistry and Industrial Pharmacy, Clinical Pharmacy, Microbiology and Immunology, Biochemistry, Pharmacology and Toxicology.

b- Departments affiliated to Faculty of Medicine:

Anatomy, Histology, Physiology, Pathology, Public Health, Parasitology and Neurology and Psychiatry.

c- Department affiliated to Faculty of Computers and Information:

Computer Science.

d- Departments affiliated to Faculty of Science:

Mathematics.

e- Department affiliated to Faculty of Arts:

English Language.

f- Department affiliated to Faculty of Commerce:

Accounting and Auditing.

g- Department affiliated to Faculty of Law:

General Law (Human rights)

A.4. Coordinator:

Prof. Dr. Hassan R. Hassan (Department of Pharmaceutical Analytical Chemistry).

A.5. External Evaluator(s):

- Prof. Dr. Mahmoud Sheha, Professor of Medicinal, Faculty of Pharmacy, Sphinx University.
- Prof. Dr. Mahros Osman Ahmed, Professor of Industrial Pharmacy, Faculty of Pharmacy, Merit University.

A.6. Year of Operation: Academic year, 2021/ 2022.

B. Statistics

B.1. Number of students Starting the programme: 2011/2012-2021/2022

3500 students were registered in the academic year 2011/2012 and (3641) students attended the programme in the academic year 2012/2013 and (3487) students at 2013/2014, and (3076) at 2014/2015 and (3501) at the academic year (2015/2016) and (3232) at 2016/2017 and (2705) at the academic year 2017/2018 and (2434) at the academic year (2018/2019) and (2023) at the academic year (2019/2020) and (1735) at the academic year (2020/2021) and (1284) at the academic year (2021/2022).

B.2. Ratio of students attending the programme 2021-2022 relative 2020-2021

The number of students attended the programme in the academic year 2020/2021 were (1735) versus to (1284) at the academic year 2021/2022 that means about 26% decrease of number of the registered students.

B.3. Number and percentage of students passing in each level at the academic year 2021/2022.

The following table (1) represents the number of registered students and those passed in each level during the academic year 2021 / 2022.

Table (1)

Year of the programme	No. of registered students		No. passed students		% of passed students	
	S1	S2	S1	S2	S1	S2
First year (Pharm D)	147	149	124	135	84.35	90.60
Second year (Pharm D)	218	218	198	202	90.83	92.66
Third year (Pharm D)	228	228	211	214	92.54	93.86
Third year	296		288		97.29	
Fourth year	393		387		98.47	
Total	1284		1226		95.48	

B.4. Number of students completing the programme started at 2017/2018:

The number of students completed the programme started at the academic year 2017 /2018 was (387) out of (404) freshman (95.79%) graduated at 2021/2022.

B.5. Grading: number and percentage in each grade of graduates:

The following Tables 2, 3, 4, 5 and 6 show the number and percentage of graduates achieving each grade in the academic from years 2017/2018 and 2021/2022.

Table (2): Number and percentage of graduates in the academic year 2017/2018

Grade	Successful students												% of Passed students
	Excellent		Very good		Good		Passed		Passed with course(s)		Referred students		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
Pre-Pharmacy	25	6.2	104	25.8	115	28.5	25	6.2	90	22.3	45	11.2	89.1
First year	37	6.6	174	31.2	165	29.6	9	1.6	127	22.8	37	6.6	91.9
Second year	33	5.9	144	25.8	193	34.6	27	4.8	105	18.8	43	7.7	90.0
Third year	29	4.7	112	18.2	275	44.6	59	9.6	102	16.6	34	5.5	93.7
Fourth year	54	9.4	195	34.0	233	40.6	1	0.2	42	7.3	18	3.1	91.5

Table (3): Number and percentage of graduates in the academic year 2018/2019

Grade	Successful students												% of Passed students
	Excellent		Very good		Good		Passed		Passed with course(s)		Referred students		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
Pre-Pharmacy	15	4.19	84	23.46	59	16.48	6	1.68	123	34.36	63	18.00	82.00
First year	77	19.95	118	30.57	70	18.13	15	3.88	83	21.50	20	5.22	94.78
Second year	54	9.75	189	34.11	132	23.83	16	2.89	118	21.30	45	8.12	91.88
Third year	27	5.00	106	19.63	198	36.67	29	5.37	141	26.11	39	7.22	92.78
Fourth year	42	6.91	195	32.07	302	49.67	42	6.91	0	00.00	26	4.28	95.72

Table (4): Number and percentage of graduates in the academic year 2019/2020

Grade	Successful students												% of Passed students
	Excellent		Very good		Good		Passed		Passed with course(s)		Referred students		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
First year (Pharm D)	17	6.32	161	59.85	60	22.30	19	7.06	-	-	12	4.46	95.54
First year	28	9.40	122	40.94	78	26.17	7	2.35	61	20.47	2	0.67	99.33
Second year	62	15.78	111	28.24	112	28.50	21	5.34	81	20.61	6	1.53	98.47
Third year	24	4.51	116	21.80	222	41.73	88	16.54	71	13.35	11	2.07	97.93
Fourth year	35	6.63	169	32.01	257	48.67	14	2.65	42	7.95	11	2.08	97.92

Table (5): Number and percentage of graduates in the academic year 2020/2021

Grade	Successful students												% of Passed students
	Excellent		Very good		Good		Passed		Passed with course(s)		Referred students		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
First year (Pharm D)	18	7.89	128	53.95	54	23.68	13	5.70	-	-	20	8.77	91.23
Second year (Pharm D)	38	14.45	133	50.57	64	24.33	17	6.46	-	-	11	4.18	95.82
Second year	77	25.93	144	48.48	37	12.46	2	0.67	27	9.09	9	3.03	87.54
Third year	49	12.56	139	35.64	110	28.21	4	1.03	72	18.46	16	4.10	77.45
Fourth year	35	6.40	206	37.65	236	43.15	7	1.28	47	8.60	16	2.92	88.48

Table (6): Number and percentage of graduates in the academic year 2021/2022

Grade	Successful students												% of Passed students	
	Excellent		Very good		Good		Passed		Passed with course(s)		Referred students			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
First year (Pharm D)	S1	16	6.58	70	48.25	26	28.51	12	9.21	-	-	23	7.46	84.35
	S2	19	12.75	66	44.3	39	26.17	11	7.38	-	-	14	9.39	
Second year (Pharm D)	S1	39	17.89	90	41.28	46	21.10	23	10.55	-	-	20	9.17	90.83
	S2	46	21.10	100	45.87	49	22.48	7	3.21	-	-	16	7.34	
Third year (Pharm D)	S1	15	10.88	110	47.62	65	17.69	21	8.16	-	-	17	15.65	92.54
	S2	36	15.79	117	51.32	52	22.81	9	3.95	-	-	14	6.14	
Third year		69	23.31	124	41.89	75	25.34	4	1.55	16	5.41	8	2.71	97.29
Fourth year		57	14.50	157	39.95	161	40.97	7	1.78	5	1.27	6	1.53	98.47

B.6. First destinations of graduates

Following graduation from Faculty of Pharmacy-Assiut University, alumni are registered in the General Syndicate of Pharmacists and then practice the profession in different settings like community pharmacies, hospital pharmacies, or pharmaceutical companies. They could also work in different departments of the Ministry of Health and Population, Military Services, universities hospitals or enrolled in research institute perusing Diploma, Master or Ph.D. degrees. Some of these graduates could apply as teaching assistants posts in public and private universities. Faculty of Pharmacy Assiut University alumni Office was established to follow up and support alumni's employment. We are in the process of collecting data about alumni employment.

C. Academic Standards

C.1. Achievement of programme Intended Learning Outcomes

Table (7):

Course	Programme ILOs			
	K.U*	I.S.**	P.S.***	G.T.S****
1/1. Pre-pharmacy Year, First Term				
General Botany	a1, a4,a8	b4	c13	d1, d8,d10
Zoology	a1	b4,b8,b15	c2,c4,c13	d1, d8,d10
Physical Chemistry and Inorganic Chemistry	a1,a2,a4	b3,b4,b5	c7	d8, d10
Mathematics and statistics	a1, a14	b8	-	d1, d8, d10
English Language and Terminology	a15,a16	b8	c4,c6	d1, d8
1/2. Pre-pharmacy Year, Second Term				
Organic Chemistry	a1,a2	b3,b4	c7	d8,d10
Physics	a1, a3,a8	b4	-	d1,d8,d10
Anatomy	a1	b2	c13	d6,d8,d10
Histology	a1,a4	b2,b15	c2,c13	d8, d10
History of Pharmacy and introduction to pharmacy	a1,a7,a12,a13	b6	c4,c15	d3,d10
Psychology	a1	-	c14	d3,d10

1/3. First Professional Year, First Term				
Introduction to pharmaceutical dosage forms	a1, a3, a14	b5	e1, e2, e12	d1, d2, d3, d6, d7, d10
Pharmacognosy -1	a1, a4	b1, b4	c4, c9	d1, d8, d10
Pharmaceutical Organic Chemistry -1	a1, a6	b3	c7	d1, d8, d9, d11
Pharmaceutical Analytical Chemistry -1	a1, a2	b11	c7	d1, d8, d10
Physiology	a1, a8	b12		d1, d7, d10
1/4. First Professional Year, Second Term				
Physical Pharmacy -1	a1, a2	b1, b6, b9	e1, e2	d3, d7, d8, d10
Pharmacognosy -2	a1, a3, a4	b1, b4	c4, c9, c14	d1, d8, d10
Pharmaceutical organic chemistry -2	a1, a6	b3, b11	c7	d1, d7, d8, d10
Pharmaceutical Analytical chemistry -2	a1, a2	b11	c7	d1, d7, d8, d10
Complementary courses				
Human rights	a1, a16	b8	e11	d1, d7, d8
Pharmacy Administration	a1, a15, a18	b8	e6, e12	d1, d7, d10, a11
1/5. Second Professional Year, First Term				
Physical Pharmacy -2	a1, a2	b5, b13	e3	d7, d8, d10

Pharmacognosy -3	a1, a4	b1,b4,b10	c4,c9	d1, d8,d10
Pharmaceutical Organic Chemistry -3	a1, a6	b3,b11	c7	d7,d8,d10
Applied pharmaceutical and Instrumental analysis -1	a1,a3, a6	b4,b14	c7	d1,d7,d8,d10
General and pharmaceutical microbiology	a1,a7, a11,a13	b11, b12	c2,c8	d10
Complementary cours				
Pharmacy legalization	a1, a16	-	-	d6,d10
1/6. Second Professional Year, Second Term				
Pharmaceutics -1	a1,a3	b1,b6,b9	c1	d1,d7,d8,d10
Pharmacognosy -4	a1, a4	b1,b4,b14	c3,c4,c9	d1,d8,d10
Pharmaceutical Organic Chemistry -4	a1, a6	b3,b11	c7	d1,d8,d9,d10
Applied pharmaceutical and Instrumental analysis -2	a1, a6	b4	c2	d1,d7,d8,d10
Pharmaceutical Microbiology and immunology	a1, a7,a10	b11, b12	c2,c8	d8, d10
Pathology	a1,a8, a10	b7	c4	d1,d7,d8,d10
Parasitology	a1,a4,a7,a9, a10	b1, b12,b15	c2,c8	d1,d7,d9,d11
1/7.Third Year Pharmacy, First Term				
Pharmaceutics- 2	a1,a2,a3	b1,b6	c1	d1,d8,d10
Natural Products Chemistry -1	a1,a5, a6	b4,b11	c2,c7,c9	d1,d7,d8,d10
Medicinal Chemistry -1	a2,a6,a8	b4,b11	c7,c11	d1,d7,d8,d10

Pharmacology -1	a1,a9,a11	b1,b2,b10,b13	c3	d2,d8,d9,d10
Biochemistry -1	a1,a3, a6,a8	b4	c2	d1,d6,d8
Complementary course				
Public health	a1,a7, a10	b12	c8	d7,d8,d9, d10
1/8.Third Year Pharmacy, Second Term				
Bio-pharmaceutics and principles of pharmacokinetics	a2, a3,a9,a14	b1,b5,b7	c11,c12	d7,d8,d10
Chemistry of Natural Products -2	a1,a5, a6	b4, b11,b14	c2,c7,c9	d1, d7, d8,d10
Medicinal Chemistry -2	a2,a6, a8	b3,b4, b7, b11	c7,c9, c11	d1,d8,d10
Pharmacology -2	a1,a11,a12	b1,b10,b14	c3,c5,c10,c12	d1,d3,d5,d6,d8
Biochemistry -2	a1,a8, a10	b15	c2,c7	d1,d5,d8,d9,a10
Complementary course				
Drug Marketing and Media	a15,a18	b8	c12	d10,d12

Table (7) Cont.

Course	Programme ILOs			
	K. U*	I.S.**	P.S.***	G.T.S****
Summer training (300 hr)	a9, a10,a11,a16,a18	b2,b10, b13,b14	c1,c4,c5,c6,c12,c15	d1,d3,d4,d5,d9,d11
1/9. Fourth Year Pharmacy, First Term				
Pharmacy Practice and Hospital Pharmacy	a12,a16	b1,b8,b10,b13	e7,c11,c12	d1,d2,d3,d6,d7,d8,d10
Applied Pharmacognosy -1	a6	b4,b11	c2,c11	d7,d8,d10
Medicinal Chemistry -3	a2, a6 , a8,a9	b4,b7,b11	c2,c7,c9,c11	d7,d8,d10
Industrial Pharmacy -1	a1, a3	b11	c1,c2,c11	d7,d8,d10
Toxicology and Forensic chemistry	a7, a8,a11	b14	e3,c10,c11	d8,d9,d10
Complementary cours				
First aids	a8,a11	b2	e8	d4,d9,d10
1/10. Fourth Year Pharmacy, Second Term				
Clinical Pharmacy	a3,a10,a12,a16, a17,a18	b1,b2,b8,b9, b13,b14	e3,c4,c5,c7,c11,c12	d1,d2,d3,d5,d6,d7,d8,d10
Applied Pharmacognosy -2	a5,a6,a13	b1,b4,b8,b11,b14	e2,c3,c5,c9,c11	d1,d3,d7,d8,d10
Medicinal Chemistry -4	a2,a6, a8,a9	b3,b4, b7,b11	e2,c7,c9,c11	d7,d8,d10
Industrial Pharmacy -2	a1,a3	b6,b11	c1,c7,c11	d7,d8,d10
Bioassay and Biostatistics	a6,a14	b4	e2,c9,c10	d8,d10

VI. I. Elective courses

Course code	Course title	Units/Week		Programme ILOs Covered (Matrix)
		lecture	Practical / tutorial	
PHA E001	Radio pharmacy	2	1	a1, a3,a6, a9, a12, b1, b2, b3, b4, c1,c2, d1
PHG E002	Alternative medicine	2	1	a5, b1, c1, c5, c9, d3, d7, d9,
PHOC E003	New trends for synthesis & purification of pharmaceutical raw materials	2	1	a1, a6, b1, b3, c2, c6, c9, c11, d1, d8, d12, d13, d14.
PHAC E004	Pharmaceutical analysis & quality control	2	1	a1, a3, a6, b4, b14, c2, c7, d1, d9, d12.
PHI E005	Pharmaceutical manufacturing	2	1	a1, a3, a13, b6, b11, b13, c1, c2, c7, c11, d1, d9, d12
PHM E007	Drug Design	2	1	a2, a6, a11, b7, b11, c7, c9, c11, d9, d12, d13

* Knowledge and Understanding, ** Intellectual Skills, *** Professional and Practical Skills, ****General and Transferable Skills.

The summer training also helps the students to gain many professional and practical skills in addition to some transferable skills.

C.2. Achievement of programme aims

The system of external evaluation of the programme has been established by:

- a. Prof. Dr. Mahmoud Sheha, Professor of Medicinal, Faculty of Pharmacy, Sphinx University.
- b. Prof. Dr. Mahros Osman Ahmed, Professor of Industrial Pharmacy, Faculty of Pharmacy, Merit University.

C.3. Assessment methods

Improvement of the examination methods was establishment to assess the intellectual skills. A questionnaire filled by external evaluators for each course was conducted to get their opinion on the appropriateness of the assessment methods used with reference to the ILO's.

The students participate in planning of the examination schedules. The Vice-Dean for Educational and Students' Affairs approves and announces the time table after considering the result of the questionnaire filed by representative sample of students at each level.

C.4. Student achievement

According to the overall statistics, the percentage of succeeding students over 90.5% in all years except in First year (Pharm D) - first semester although the number of registered students was the least (147 students). Students of this class include 127 students graduated from secondary school academic year 2020/2021 and 20 students referred from senior classes.

C.5. Quality learning Opportunities.

1. **Quality of teaching and learning.** The faculty of pharmacy Assiut University aims to graduate highly qualified, competent pharmacists ready for work in different pharmaceutical working places like community pharmacists, industrial pharmacists, military pharmacy, medical care and medical representative jobs. The plan of the faculty is designed so that the graduate will be armed with necessary knowledge skills and capabilities to fulfill the duties of his/her job. In addition, the faculty offers postgraduate modules and performs research within the aim of national strategy and the community needs. To achieve this mission, the faculty has set a strategic plan

covering: learning and teaching, extra-curriculum activities, research, engagement with stakeholders and others, deliver advices and consultation about medicine and contribute to scientific and health care activities.

The general outline of the faculty teaching and learning strategies can be summarized in the following points:

- a. Lectures are given in the traditional way with a special attention to confirming the flexibility of the lecture schedule based on students' opinion and the availability of presentation equipment and comfortable environment for the students attending the lectures.
- b. The staff members have focused on enhancing the discussion with students during lectures to deepen their understanding and widen their background. In order to overcome, the crowded theaters prepared for lectures students were divided into two sub groups and the lectures were delivered to each group according to an announced schedule. To increase the contact hours, all staff might declare their office hours from the begging of the semesters. Furthermore the staff and teaching assistants should be available during the time of lab classes to discuss problems and answer unclear points raised by students.
- c. Practical sessions begin with a brief presentation that focus on the objectives of the experiments, outline the procedures to be carried as well as delineate safety measures related to the running experiment. Briefing in the class rooms (about 120 students) was followed by the practical session where students perform the experiment in groups (2-3) or single under direct supervision of teaching assistants and one of the staff.
- d. The faculty gives a special attention to set a supporting environment for students for better learning. Theaters for lectures are located in a separate unit nearby the faculty area. All theaters are well ventilated, air conditioned and supplied with audio visual facilities. Laboratories are sufficiently equipped and provided by chemicals necessary for performing the planned experiments. Safety measures in the laboratories are continuously revised and updated. Students have unlimited access to the library, computer center, student cafeteria, playground and sports hall.

2. **Excellence in teaching.** According to the rules of the university, all staff must attend training programs for developing their abilities and to enhance skills of communication. The faculty encourages international collaborations of professors and students exchange, in the context of personal development of teaching and research.

The faculty was honored by the selection of one of the staff for receiving the award of the best lecturer in Assiut University. The faculty was also honored by the award of the best department heads in Assiut University.

3. **Encouraging excellent students.** A scholarship was given by Ministry of High Education as monthly grant to the excellent and very good students. The faculty celebrates graduates with highest rank during an annual graduation ceremony and to persuade other students for Excellency.
4. **Continuous updating and ensuring creativity in curriculum.** Each department has nominated a committee for curriculum updating to adapt the recent advances in pharmaceutical sciences and keep pace with the needs of the graduates to persuade competence and creativity.
5. **Fostering self-learning.** The faculty strategy is to encourage students to become independent learners and to take responsibility for self-learning during their studies at university and beyond as part of lifelong learning style.
6. **Availability of learning resources.** The faculty continuously supports the availability of learning resources in the form of course notes prepared by staff members. In addition, students have full access to the two libraries (staff & student) with more than 13,000 titles of text books and references. The faculty committee for libraries continuously reviews and enhances the performance and support supply by new edition. Furthermore, students are encouraged to use the computer center in the faculty with access to the World Wide Web for data collection and preparation of reports.
7. **Increased contact with staff members.** The faculty encourages students to be in direct contact with staff members and their assistants. Each staff member has assigned specific office hours for unlimited meetings with students. The students at

the final and pre-final levels are invited to attend, the scientific conference held once annually in each department, that allows an additional opportunity for students to discuss issues related to teaching, course content and present their own views and suggestions.

8. **Recognition of student opinion in teaching and learning.** Staff members and their assistants are involved in preparing and distributing questionnaires to evaluate the student opinion in teaching and learning. These questionnaires are run and managed by the Faculty Quality Assurance and Accreditation Unit (FQAAU) and results are analyzed and discussed during the meetings of the (FQAAU) with staff members and by the department council meetings.
9. **Faculty new bylaw.** The academic year 2021/2022 represents the eleventh group of graduates released according to the new faculty bylaw executed at 2006. Accordingly the new bylaw allows continuity of teaching the courses along two semesters. The new bylaw is expected to overcome most of the points raised by students during questionnaires and scientific annual conferences of each department.
10. **Scientific visits.** Students of fourth professional level are encouraged to participate in several visits to pharmaceutical industrial centers.
11. **Workshops and training courses.** The faculty encourages students to participate in scientific workshops and training courses. During this academic year, the department of medicinal chemistry has arranged a workshop for drug design while department of pharmaceuticals in cooperation with drug information center has arranged a training course about clinical pharmacy including lectures, seminars and hospital rounds.
12. **Exam booklet.** The faculty prepared exam booklet where samples of exams are included to allow the student to get familiar with the method of evaluation and assessment. Results of the periodical and practical exams are announced for students to guide self-evaluation. Discussions with the examiners are always welcomed.
13. **Effectiveness of student support systems.** The faculty offers support by different means in order to ensure a successful life style for students. Examples of students support services include:
Each staff has assigned weekly office hours and the schedule was announced

at the beginning of the semester during the opening lectures. Staff members were available during these office hours for students to answer unclear subjects in the course and deepen their scientific knowledge. In addition, all staff members were available during the lab hours for supervision and to conduct discussion and evaluation of the lab results.

The university student hospital keep health insurance file for students and offer medical care for the student who are in need for medical follow up. Clinical service is accessible for students from simple complaints to surgical support.

Financial support of student is offered by the Youth Welfare Office, supervised by the Vice-Dean of Educational and Students' Affairs.

Several social, sports, scientific, artistic & cultural activities are conducted every year. In the academic year 2021/2022, several achievements have been performed students union office in the following committees:

- Social Committee
- Sports Committee
- Scientific Committee
- Cultural Committee
- Artistic Committee
- Family Committee

Students' Union is elected by students at the beginning of the academic year. Its activity is exercised through the six committees above mentioned. SU acts as a strong link between students and faculty top management. This union also works to defend students' rights and find solutions for student problems that can be discussed with the faculty top management. The SU activities are financially supported partly by the university and mainly by students.

A guidebook is available to the freshman admitted in the pre-pharmacy year, and is also available in the faculty top management offices.

Limited financial support is allowed for students by the faculty and the university. Such financial support covers purchase of the text books and laboratory notes for free. Monetary needs like student hostel rate and student restaurant services are also supplied.

The number of students getting monetary aids was 285 students with total sum of 115130 L.E during the year 2021/2022. Other monetary aids: Support from Faisal Islamic Bank for 20 students, at a value of 200 pounds per month, for eight months, with a total of 32,000 L.E.

The faculty staff members voluntarily provide free books for students who were not covered by the Social Solidarity Fund, in addition to monetary support. The faculty held a charity event for providing necessities for the needy students by low prices.

The University has two student dormitories; one for males and the other for females. The dormitories associated with the campus have full housing services at low cost.

The University has a central restaurant which offers low priced meals to students and assistant staff members.

The University has a central stadium, swimming pool, tennis court and covered hall equipped with sporting facilities.

The University provides comfortable air conditioned study centre available for students from 8am to 12 midnight through working days; computer and web connection are available for free. A staff is available at the evening period.

C.6. Learning resources

a. No. and ratio of faculty staff members and their assistants to students (1284).

	Total Number	Ratio to students	On the job	Ratio to students
Faculty staff	138	1: 9	94	1: 13.7
Teaching assistant	107	1: 12	66	1: 19.5

b. Matching of faculty member's specialization to programme needs.

Adequate

c. Availability and adequacy of programme handbook.

- Programme handbook is available for the fresh man
- Fliers that display important events that affected and still acting as milestones in the way of quality assurance.

d. Adequacy of library facilities

Access to the student and the faculty libraries is allowed from 8.30 am to 5 pm during working days. The students are allowed free access to student computer unit.

Information about the faculty libraries are presented in the following table (8)

Table (8)

Item	Number
Total Foreign Books	11833
Total Arabic Books	1608
Full Scientific Periodicals	14793
PH. D. Theses	726
Master Theses	1460
Diploma	4
Theses on CDs	593
Microfilm films	675
Microfiche	675
Cassette Tapes	25
Book CDs	75
Theses Microfilm	27
Computers	12
Photocopiers	2
Microfilm Data show	3
Microfiche Data show	1
Scanner	2
Television and Video	1
Audio Cassette	1
Printer	6
Internet Point	15
Others	Wi-Fi

e. Adequacy of laboratories

Adequate: 36 laboratories in addition to laboratories available at Faculty of Medicine.

f. Adequacy of computer facilities

Adequate: 4 labs general, 2 labs for IT unit and 2 labs for drug design, capacity 30 students each.

g. Adequacy of field training resources

Pharmaceutical factories offer a limited chance for summer training while the majority performs their training in community pharmacies.

h. Adequacy of other programme needs

General and professional seminars and lectures Held during 2021-2022

١. الدورات التدريبية الخاصة بالسادة أعضاء هيئة التدريس ومعاونيهم

م	اسم الدورة/الدورة/ ورشة العمل	الميعاد	المكان	المحاضر
١	ورشة عمل عن " مدى تحقيق الورقة الإمتحانية ILOS ومقاييس التدرج للتقييم في الإمتحانات الشفهية "	يوم الأربعاء الموافق ٢٠١٩/٤/١٠م	بقاعة الاحتفالات بالكلية	السيد الأستاذ الدكتور/ محمود محمد شبحه - عميد الكلية ورئيس مجلس إدارة الوحدة
٢	ورشة عمل للسادة أعضاء هيئة التدريس تحت عنوان " Blue Print "	يوم الأربعاء الموافق ٢٠٢٠/٣/١١م	بقاعة مجلس الكلية	السيدة الأستاذة الدكتورة / هبة عطية بسي - مدير وحدة ضمان الجودة بكلية الطب
٣	ورشة عمل بعنوان " توصيف البرامج وتوصيف المقررات طبقاً للمعايير القومية القياسية المرجعية لتطاع الصيدلة إصدار أبريل ٢٠١٧م "	يوم الأحد الموافق ٢٠٢١/٧/١١م	بقاعة الاحتفالات بالكلية	السيد الأستاذ الدكتور / محروس عثمان أحمد - أستاذ الصيدلة الصناعية المنفرغ بالكلية
٤	ورشة عمل للسادة أعضاء هيئة التدريس ومعاونيهم بعنوان " تفعيل الإيميل الأكاديمي Office 365 واستخدامات جوجل سكلار "	يوم الأحد الموافق ٢٠٢١/١١/١م	بمعمل وحدة الخدمات التكنولوجية بالكلية	السيد / أحمد رجب عطية - أحد فريق منسقى تسويق مشروعات تطوير نظم تكنولوجيا المعلومات والاتصالات ICTP
٥	ورشة عمل للسادة أعضاء هيئة التدريس تحت عنوان implementation of Competency Based Pharmacy Education	يوم الاثنين الموافق ٢٠٢٢/٤/٢١م	بقاعة الاحتفالات بالكلية	السيدة الأستاذة الدكتورة / تهاني حسن الفحام - أستاذ الصيدلانيات المنفرغ بالكلية والسيد الأستاذ الدكتور / محمود البترى عبد المطلب - وكيل الكلية لشئون خدمة المجتمع وتنمية البيئة
٦	ورشة عمل بعنوان " توثيق الأدلة والشواهد لمعايير التقييم الذاتي "	يوم الأربعاء الموافق ٢٠٢٢/٣/٢م	بقاعة الاحتفالات بالكلية	السيد الأستاذ الدكتور / محروس عثمان أحمد - أستاذ الصيدلة الصناعية المنفرغ

٢. الدورات التدريبية الخاصة بالإداريين

م	اسم الدورة/الدورة/ ورشة العمل	الميعاد	المكان	المحاضر
١	دورة " Word " للعاملين الجدد	الفترة من ١/٢٨ - ٢٠١٩/٢/٣م	بقاعة الاحتفالات بالكلية	وحدة الحاسب الالى الطلابي
٢	دورة تدريبية لتفني المعامل بقسام الكيمياء المختلفة بالكلية	الفترة من ٢٠٢٠/٢/١٢-٩م	بقاعة الاحتفالات بالكلية	السادة أعضاء هيئة التدريس بالكلية
٣	ورشة عمل للسادة أمناء المخازن بالكلية تضمنت التدريب على خدمات ميكروسوفت و " Office 365 Word & Excel "	يوم الاثنين الموافق ٢٠٢١/١٢/٢٠م	معمل الوحدة الخدمات التكنولوجية بالكلية	وحدة الخدمات التكنولوجية
٤	ورشة عمل للسادة العاملين تحت عنوان " كفاءة مراجعة ووضع بيانات الطالب على نموذج الاجابة " Answer Sheet "	الاثنين والثلاثاء الموافق ٢٠٢١/١٢/٢٨-٢٧م	معمل الوحدة الخدمات التكنولوجية بالكلية	وحدة الخدمات التكنولوجية
٥	دورة تدريبية للسادة الإداريين والعاملين باليومية بعنوان " أساسيات الـ Word "	يوم ٢٠٢٢/٣/٩-٨م	معمل الوحدة الخدمات التكنولوجية بالكلية	وحدة الخدمات التكنولوجية بالكلية

مؤشرات النجاح	الفترة الزمنية	المسؤول عن التنفيذ	مكان التنفيذ	الانشطة
معالجة المرضى الغير قادرين وزيادة الوعي الصحي في المجتمع	أكتوبر ٢٠٢١	وكل الكلية لشؤون خدمة المجتمع وتنمية البيئة طلاب الكلية		قاعة طبية
معالجة المرضى الغير قادرين وزيادة الوعي الصحي في المجتمع	نوفمبر ٢٠٢١	وكل الكلية لشؤون خدمة المجتمع وتنمية البيئة طلاب الكلية		قاعة طبية
معالجة المرضى الغير قادرين وزيادة الوعي الصحي في المجتمع	يناير ٢٠٢٢	اعضاء هيئة التدريس- أطباء - طلاب كلية الطب وطلاب كلية الصيدلة		قاعة طبية
معالجة المرضى الغير قادرين وزيادة الوعي الصحي في المجتمع	مارس ٢٠٢٢	وكل الكلية لشؤون خدمة المجتمع وتنمية البيئة- صيدلة- طلاب الكلية		قاعة طبية
معالجة المرضى الغير قادرين وزيادة الوعي الصحي في المجتمع	أبريل ٢٠٢٢	وكل الكلية لشؤون خدمة المجتمع وتنمية البيئة-العلاقات العامة		قاعة طبية
زيادة الثقافة الصحية	أكتوبر 2021	وكل الكلية لشؤون خدمة المجتمع وتنمية البيئة	داخل وخارج كلية الصيدلة	مطوية الفرق بين (الانفلونزا و الكورونا)
زيادة الثقافة الصحية	نوفمبر 2021	وكل الكلية لشؤون خدمة المجتمع وتنمية البيئة	داخل وخارج كلية الصيدلة	مطوية عن فيروس كورونا
زيادة الثقافة الصحية	ديسمبر 2021	وكل الكلية لشؤون خدمة المجتمع وتنمية البيئة	داخل وخارج كلية الصيدلة	مطوية عن النظافة العامة
زيادة الثقافة الصحية	يناير ٢٠٢٢	وكل الكلية لشؤون خدمة المجتمع وتنمية البيئة	داخل وخارج كلية الصيدلة	مطوية عن الأسمان
زيادة الثقافة الصحية	فبراير ٢٠٢٢	وكل الكلية لشؤون خدمة المجتمع وتنمية البيئة	داخل وخارج كلية الصيدلة	مطوية عن مخاطر الموبيل
زيادة الثقافة الصحية	مارس ٢٠٢٢	وكل الكلية لشؤون خدمة المجتمع وتنمية البيئة	داخل وخارج كلية الصيدلة	مطوية عن أضرار التدخين

D. Quality Management

D.1. Availability of regular evaluation and revision system for the programme

Programme monitoring is usually undertaken by the Dean and Vice-Dean for Educational and Students Affairs; they monitor the whole teaching and learning process. In addition, the (FQAAU) performs a variety of activities related to ensuring a high quality pharmaceutical education in the faculty and a good learning environment for students. On the other hand, each department participates in implementing the recommendations of the faculty administration and the (FQAAU). The faculty has a committee for course development, committee for libraries, and committee for laboratory equipments, committee for postgraduate studies and research, committee for education and students' affairs, committee for society service and development of environment, committee for cultural affairs.

D.2. Effectiveness of the system

Student opinions about different aspects of the educational process reflected the adequacy of efforts.

D.3. Effectiveness of faculty and university laws and regulations for progression and completion

The faculty has archives of laws and regulations for progression and completion of stated Bylaws and Regulations for Undergraduate Students. All changes in structure of the faculty curriculum contents have to proceed through department recommendation committee for course development, the faculty council for education and student affairs. In case of recommended major changes applications might proceed through the University Council.

D.4. Effectiveness of programme external evaluation system

i. External evaluators

External reviewer is a vital component of overall (FQAAU) activities that should be performed through suitably appointed qualified and experienced people. External evaluation system of courses was started from the second semester of the academic year 2006-2007, and strictly adopted through the following academic years. An external evaluator was nominated for each course delivered by each department. The course

external evaluator is concerned by the adequacy of the written and practical examinations, assignments, and other activities fulfillment of ILO's and other points as indicated by the attached sample (Attachments)

ii. Students

Questionnaires were run by the (FQAAU). The results of the questionnaires of the first semester were analyzed and discussed by the (FQAAU) and the results were sent to each department. Questionnaires of the second semester were collected and currently processed by the (FQAAU). Each department held its annual scientific meeting with representative students from each academic year. The student opinions were presented and discussed with the staff members of each department.

The points rose about the contents of the courses, methods of teaching and evaluation of learning styles were submitted to the department council to put in work the recommendations and strategies for future plans.

e. Faculty response to student and external evaluations

All the departments applied the system of external evaluation of the courses in charge. The (FQAAU) informed the Heads of departments about the results of students' evaluation and received documented responses of the departments for reform.

E. Proposals for Programme Development

E.1. Programme structure (units/credit-hours)

No change in the structure except computer science instead of ICDL, and the new Pharm D. bylaw based on credit hours system was implemented in the academic year 2019-2020.

E.2. Courses, deletions, additions and modifications.

To be mentioned that one course has been added to have a total of 61 courses (according to bylaw issued 2006) instead of 37 courses (according to bylaw 1993). The added course is titled "human rights" and classified among social sciences and humanities. Also, computer course has been deleted according to Ministry of High Education

Regulations. Physiology was shifted to the first semester while pharmacy administration shifted to the second semester of the professional level.

E.3. Staff development requirements

Development of the capabilities of the faculty staff members is achieved through:

- Increase in the number of academic staff attending and participating in educational conferences and meetings.
- All teaching assistants, lecturers and associate professors are required to attend Faculty and Leadership Development training at regular intervals (at the University LDC). These training programs are intended to develop the staff members' skills in different aspects such as: thinking, communication, new research techniques, teaching techniques, time management, digital learning ... etc.

F. Progress of action plans

F.1. Progress of action plan 2021/2022. The following table lists the action plan indicating whether specific actions were completed and the reason for any non-completion.

Table (9): Progress of action plan 2021/2022

Action Identified	Person responsible	Progress of the action
Adherence to the external evaluation system for the delivered courses	Heads of Department	Done
Implementation of CDs for "lecture notes" prepared by Staff Members	Faculty Staff Members	Continued
Enhancing awareness of the updated mission among faculty leaders, faculty staff, administrative personnel, alumni, students, and collaborative bodies.	FQAAU & staff members	Continued
Encouraging faculty to delineate the targeted ILO's of the delivered courses.	Faculty Staff Members	Continued
Encourage all course instructors to orient students with the course specifications during the first lecture	Faculty Staff Members	Continued
Development of student research unit	Vice Dean for Student affairs	Done
Providing students and research laboratories with more equipment needed to improve the practical educational process and to implement advanced research protocols.	The Dean Faculty Council	Continued
Organizing more workshops for training faculty on the new methods of teaching by using multimedia and e-learning.	Faculty council	Continued
Activating the external and internal evaluation system for the faculty's educational programme	Faculty council & FQAAU	Continued

Table (9): Cont.

Renewing the obtained of the faculty to ISO 9001/2015 certificate.	Faculty council & FQAAU	Continued
Development of Faculty central lab.	Vice Dean for community Services & Environmental affairs Vice Dean for Research	Established
Development of Pharmaceutical Services Centre	Vice Dean for Research	Continued
Development of pharmaceutical studies Research centre of Medicinal Plants.	The Dean Head of the Pharmacognosy Department	Continued
Conducting workshops for students in the course of career development programme Recruitment and Training Committee (RTC).	Vice Dean for Student affairs Vice Dean for community Services & Environmental affairs	Continued students achieved the training all over the two semester and summer holiday
Consideration of statistical comparisons of results concerning the student performance analysis	FQAAU	Continued
Implementation of a system for better monitoring and improvement of summer training, also preparing a new summer training handbook	The Dean Vice Dean for Student affairs Faculty Staff Members	Continued

F.2. Action Plan 2022/2023

Table (10): The action plan that will be acted upon throughout 2022/2023

Action required	Person responsible	Date of completion
Implementation of CDs for "lecture notes" prepared by Staff Members	Faculty Staff Members	10/2022
Enhancing awareness of the updated mission among faculty leaders, faculty staff, administrative personnel, alumni, students, and collaborative bodies.	FQAAU & staff members	Through 2022/2023
Encouraging Faculty Staff Members to delineate the targeted ILO's of the delivered courses, and make formative or nongraded exams at the end of lectures.	Faculty Staff Members	Through 2022/2023
Encourage all course instructors to orient students with the course specification including student assessment methods, weighting of assessments, and assessment schedule during the first lecture	Faculty Staff Members	10/2022, 2/2023
Encouraging Faculty Staff Members to inform students with the results of different exams with the consideration of the time and the content of feedback to support students' benefit.	Faculty Staff Members	Through 2022/2023
Continuous following up and reviewing the activation of specification for educational programme and courses whom set out on competency system and ensuring the matching of all programmes and course with NARS 2017	FQAAU & staff members	Through 2022/2023
Exploring the ways to identify failed, outstanding students and supporting them	Vice Dean for Student affairs & Faculty Staff Members	10/2022, 2/2023





Table (10): Cont.

Supporting and encouraging student to participate in different student activities	Vice Dean for Student affairs & Faculty Staff Members	Through 2022/2023
Performing questionnaires to identify the views of student about their activities to improve them	FQAAU	10/2022, 2/2023
Increasing the ways of communicating with graduate students and encouraging them to participate in different and activities	Vice Dean for Student affairs	Through 2022/2023
Increasing the program for professional development, enter preunership, employment and continues learning	Vice Dean for community Services & Environmental affairs	Through 2022/2023
Supporting the method for Attracting foreign students with their social supports	The Dean & Vice Dean for Student affairs	Through 2022/2023
Performing questionnaires to identify the views of student about their activities to improve them	The Dean & Vice Dean for Student affairs	Through 2022/2023
Providing students and research laboratories with more equipment needed to improve the practical educational process and to implement advanced research protocols.	The Dean & Faculty Council	Through 2022/2023
Organizing more workshops for training faculty on the new methods of teaching by using multimedia and e-learning.	Faculty council	Through 2022/2023
Activating the external and internal evaluation system for the faculty's educational programme	Faculty council & FQAAU	7/2023

Table (10): Cont.

Renewing the obtained of the faculty to ISO 9001/2015 certificate.	Faculty council & FQAAU	2/2023
Development of Pharmaceutical Services Centre	Vice Dean for Research	11/2022
Development of pharmaceutical studies Research centre of Medicinal Plants.	The Dean Head of the Pharmacognosy Department	8/2023
Conducting workshops for students in the course of career development programme Recruitment and Training Committee (RTC).	Vice Dean for Student affairs. Vice Dean for community Services & Environmental affairs	8/2023
Consideration of statistical comparisons of results concerning the student performance analysis	FQAAU	7/2023
Implementation of a system for better monitoring and improvement of summer training, also preparing a new summer training handbook	The Dean Vice Dean for Student affairs Faculty Staff Members	5/2023

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