



# Programme Report for Undergraduates

## 2014-2015

# Faculty of Pharmacy

## 2014-2015

## Contents

<b>A- Basic Information:</b> .....	<b>1</b>
<b>B. Statistics</b> .....	<b>2</b>
1. Number of students admitted the programme: .....	2
2. Ratio of students attending the programme 2012-2013 relative 2008-2009 .....	2
3. Number and percentage of students passing in each level at the academic year 2013/2014.....	2
4. Number of students completing the programme started at 2008/2009: .....	2
5- Grading: number and percentage in each grade of graduates: .....	2
6. First destinations of graduates.....	4
<b>C- Academic Standards</b> .....	<b>4</b>
Table (4) C.1. Achievement of programme Intended Learning Outcomes.....	4
C.2. Achievement of programme aims.....	8
C.3. Assessment methods. ....	8
C.4. Student achievement.....	8
C.5. Quality of Learning Opportunities .....	8
C.5.1. Quality of teaching and learning.....	8
C.5.2- Self learning.....	11
C.5.3- Effectiveness of student support systems.....	12
C.6. Learning resources.....	14
<b>D. Quality Management</b> .....	<b>20</b>
D.1. Availability of regular evaluation and revision system for the programme .....	20
D.2. Effectiveness of the system.....	20
D.3. Effectiveness of faculty and university laws and regulations for progression and completion .....	20
D.4. Effectiveness of programme external evaluation system .....	20
<b>E. Proposal for Programme Development</b> .....	<b>22</b>
E.1. Programme structure (units/credit-hours) .....	22
E.2. Courses, deletions, additions and modifications. ....	22
E.3. Staff development requirements.....	23
<b>F. Progress of action plans</b> .....	<b>22</b>
F.1 Progress of action plan 2013/2014 .....	23
F.2. Progress of action plan 2014/2015 .....	26
<b>Intended learning outcomes (ILOS) Matrix</b> .....	<b>27</b>

# Educational Programme Report

## A- Basic Information:

**1- Programme Title:** Bachelor of Pharmaceutical Sciences.  
Programme type: Single ☒ Double ☐ Multiple ☐

## 2- Departments:

### A- Departments affiliated to Faculty of Pharmacy:

Pharmaceutics, Pharmacognosy, Medicinal Chemistry, Pharmaceutical Organic Chemistry, Pharmaceutical Analytical Chemistry, Industrial Pharmacy and Clinical Pharmacy (starting from 2011/2012 academic year).

### B- Departments affiliated to Faculty of Medicine:

Microbiology and Immunology, Pharmacology, Medical Biochemistry, Anatomy, Histology, Physiology, Pathology, Public Health and Parasitology

### C- Departments affiliated to Faculty of Science:

Botany, Zoology, Physics, Chemistry, Computer and Mathematics

### D- Department affiliated to Faculty of Arts:

English language

### E- Department affiliated to Faculty of Education:

Psychology

### F- Department affiliated to Faculty of Commerce:

Accounting and Auditing, Drug marketing

### G- Department affiliated to Faculty of Law:

General Law (Human rights)

## 3- : Coordinator:

Prof. Dr. Adel F. Youssef (Department of Medicinal Chemistry).

## 4. External Evaluator(s):

- Prof. Dr. Mohamed S. Kamel, Professor of Pharmacognosy, Faculty of Pharmacy, El- Minia University.
- Prof. Dr. Norhan H. Fanaky, Professor of Microbiology, Faculty of Pharmacy, Alexandria University.
- Prof. Dr. Mahmoud B. Ashmawy, Professor of Medicinal Chemistry, Faculty of Pharmacy, Mansura University.

## 5. Year of Operation: Academic year, 2014/ 2015.

## B. Statistics

### 1. Number of students followed the programme: 2011/2012-2014/2015

(3956) students were registered in the academic year 2011/2012 and (3624) students at 2012/2013, and (3493) at 2013/2014 and (3206) at the academic year 2014 / 2015.

### 2. Ratio of students attending the programme 2014-2015 relative 2011-2012

The number of students attended the programme in the academic year 2014 / 2015 were 3206 versus to 3956 in the academic year 2011 / 2012 that means about 18.9 % decrease of number of the registered students.

### 3. Number and percentage of students passing in each level at the academic year 2014/2015.

The following table (1) represents the number of registered students and those passed in each level during the academic year 2014 / 2015.

Table (1)

Year of the programme	No. of registered students	No. passed students	% of passed students
Pre-pharmacy	638	600	93.75
First year	595	561	94.2
Second year	887	817	92
Third year	833	810	97.2
Fourth year	256	197	76.9
Total	3206	2985	93.1

### 4. Number of students completing the programme started at 2010/2011:

The number of students completed the programme started at the academic year 2010 /2011 was (197) out of (266) freshman (76.2%) graduated at 2014/2015, and (179) out of (256) freshman (76.9%) graduate at 2014/2015.

### 5- Grading: number and percentage in each grade of graduates:

The following Tables 2 and 3 show the number and percentage of graduates achieving each grade in the academic year 2012/2013 and 2013/2014

**Table (2): Number and percentage of graduates in the academic year  
2013/2014**

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	37	5.3	206	29.3	171	24.3	8	1.13	147	20.9	47	6.68	92.73
First year	121	14	318	37	234	27.2	16	0.69	145	16.88	33	3.8	96.16
Second year	80	9.2	294	33.7	282	23.3	20	2.29	130	14.9	65	7.5	92.54
Third year	6	3.4	35	13	106	39.8	30	11.27	59	22	25	9.4	90.60
Fourth year	52	5.9	319	36.2	376	42.6	29	3.29	0	0	15	1.7	98.30

**Table (3): Number and percentage of graduates in the academic year  
2014/2015**

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	42	6.6	205	32	240	37.5	20	3.1	93	14.5	40	6.2	93.75
First year	52	8.8	175	29.4	135	22.7	13	2.2	186	31.3	34	5.7	94.2
Second year	74	8.3	235	26.5	326	36.7	39	4.4	143	16.1	70	7.9	92
Third year	44	5.3	232	27.8	338	40.6	51	6.1	145	17	18	2.1	97.2
Fourth year	5	1.9	38	14.8	118	46.1	36	14.1	-	-	11	4.3	76.9

## 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, university 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

**Table (4): C.1. Achievement of programme Intended Learning Outcomes**

Course	Programme ILO's			
	K. U*.	I.S.**	P.S.***	G.T.S****
<b>1/1. Pre-pharmacy Year, First Term</b>				
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
<b>1/2. Pre-pharmacy Year, Second Term</b>				
Organic Chemistry	a1,a2	b3,b4	c7	d8,d10
Physics	a1, a3,a8	b4	-	d1,d8,d10
Anatomy and Histology	a1 a1,a4	b2 b2,b15	c13 c2,c13	d5,d6,d8,d10 d8, d10
History of Pharmacy and introduction to pharmacy	a1,a3,a12,a16	b6	c4	d10
Psychology	a1	-	c14	d3, d10

**Table (4) Cont.**

Course	Programme ILOs			
	K. U*.	I.S.**	P.S.***	G.T.S****
<b>1/3. First Professional Year, First Term</b>				
Introduction to pharmaceutical dosage forms	a1, a3, a14	b5, b6	c1, c2, c12	d1, d2, d3,d6, d7
Pharmacognosy -1	a1, a4	b1, b4	c4, c9	d1,d8,d10
Pharmaceutical Organic Chemistry -1	a1, a6	b3	c7	d1,d7,d8,d10
Pharmaceutical Analytical Chemistry -1	a1, a2	b11	c7	d1,d8,d10
Physiology	a1, a8	b2	-	d1,d7, d10
<b>1/4. First Professional Year, Second Term</b>				
Physical Pharmacy -1	a1, a2	b1, b6, b9	c1, c2, c12	d3, d7, d8, d10
Pharmacognosy -2	a1, a4	b1, b4	c4, c9,c14	d1,d8,d10
Pharmaceutical organic chemistry -2	a1, a6	b3	c7	d1,d7,d8,d10
Pharmaceutical Analytical chemistry -2	a1, a2	b11	c7	d1,d7,d8,d10
Human rights	a1, a16	b8	c11	d1,d7, d8
Pharmacy administration	a1, a15, a18	b8	c6, c12	d1,d7,d8,d10,d11
<b>1/5. Second Professional Year, First Term</b>				
Physical Pharmacy -2	a1, a2	b5, b13	c3	d1,d7, d8,d10
Pharmacognosy -3	a1, a4	b1,b4,b14	c3,c5,c9	d1,d8,d10
Pharmaceutical Organic Chemistry -3	a1, a6	b3,b11	c7	d1,d7, d8,d10
Instrumental and Applied pharmaceutical analysis -1	a1,a3, a6	b4	c2,c7	d1,d7, d8,d10
General microbiology and Immunology	a1,a7, a10	b11, b12	c2,c8	d8,d10
Pharmacy legalization	a1, a16	-	-	d6,d10

**Table (4) Cont.**

Course	Programme ILOs			
	K. U*.	I.S.**	P.S.***	G.T.S****
<b>1/6. Second Professional Year, Second Term</b>				
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
Instrumental and Applied pharmaceutical analysis -2	a1 , a6	b4	c2,c7	d1,d7,d8,d10
Pharmaceutical Microbiology	a1 , a7,a11, a13	b7, b11, b12	c2,c8	d8, d10
Pathology and Parasitology	a1,a8, a10 a1,a4,a7, a10	b12 b10, b12,b15	c4 c8	d1,d7,d8, d10 d1, d8, d10
<b>1/7.Third Year Pharmacy, First Term</b>				
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	b3,b4, b7, 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
Public health	a1,a7, a10	b12	c8	d7,d8,d9, d10
<b>1/8.Third Year Pharmacy, Second Term</b>				
Bio-pharmaceutics and principles of pharmacokinetics	a2, a3,a9,a14	b1,b5,b7	c11,c12	d1,d7,d8,d10
Natural Products Chemistry -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	a9,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,d10
Drug Marketing	a15,a18	b8	c6,c12	d10,d11



**Table (4) Cont.**

Course	Programme ILOs			
	K. U*.	I.S.**	P.S.***	G.T.S****
<b>Summer training (300 hr)</b>				
<b>1/9. Fourth Year Pharmacy, First Term</b>				
Pharmacy Practice and Hospital Pharmacy	a12,a16	b1 ,b8,b9, b10,b13	c4,c5,c7,c11,c12	d1,d2,d3 ,d6,d7,d8, d10
Applied Pharmacognosy -1	a6	b4,b11	c2,c11	d1,d7,d8,d10
Medicinal Chemistry -3	a2, a6 , a8,a9	b3,b4,b7,b11	c2,c7,c9,c11	d1,d7,d8,d10
Industrial Pharmacy -1	a1, a3	b11	c1,c2,c11	d1,d7,d8,d10
Toxicology and Forensic chemistry	a7, a8,a11	b14	c3,c10,c11	d8,d9,d10
First aids	a8,a11	b2	c8	d4,d9,d10
<b>1/10. Fourth Year Pharmacy, Second Term</b>				
Clinical Pharmacy	a3,a10,a12,a16, a17	b1,b2,b8,b9, b10,b13,b14	c3,c4,c5,c7,c11 ,c12	d1,d2,d3,d5,d6,d7,d8 ,d10
Applied Pharmacognosy -2	a5,a6,a13	b1,b4,b8,b11,b14	c2,c3,c5,c9,c11	d1,d3,d7,d8,d10
Medicinal Chemistry -4	a2,a6, a8,a9	b3,b4, b7,b11	c2,c7,c9,c11	d1,d7,d8,d10
Industrial Pharmacy -2	a1,a3,a13	b6,b11	c1,c2,c7,c11	d1,d7,d8,d10
Bioassay and Biostatistics	a6,a14	b4	c2,c9,c10	d8,d10

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

*The summer training hours allow 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. Mohamed S. Kamel, Professor of Pharmacognosy, Faculty of Pharmacy, El- Minia University.
- b. Prof. Dr. Norhan H. Fanaky, Professor of Microbiology, Faculty of Pharmacy, Alexandria University.
- c. Prof. Dr. Mahmoud B. Ashmawy, Professor of Medicinal Chemistry, Faculty of Pharmacy, Mansura University.

## **C.3. Assessment methods**

Improvement of the examination methods was established to focus on knowledge and 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 graduates about 95% in all years except in second year although the number of registered students was the least (266 students). Students of this class include 188 students graduated from secondary school academic year 2009/2010 and 78 students referred from senior classes.

## **C.5. Quality of Learning Opportunities**

### **C.5.1. 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:

- 1- 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.
- 2- 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.
- 3- 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.
- 4- 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.

**5- 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.

**6- 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.

**7- 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.

**8- 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.

**9- 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 12,000 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.

**10- 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.

- 11- **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 Unit (FQAU) and results are analyzed and discussed during the meetings of the (FQAU) with staff members and by the department council meetings.
- 12- **Faculty new bylaw.** The academic year 2014/2015 represents the third 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.
- 13- **Scientific visits.** Students of fourth professional level are encouraged to participate in several visits to pharmaceutical industrial centers.
- 14- **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.
- 15- 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.

#### **C.5.2- Self learning**

The faculty strategy persuades students to become independent life learners. On this way faculty provide several means to encourage self-learning like presentation of scientific report, write essays and display posters on specific topics in different pharmaceutical sciences related to the level of study, guided by the faculty members. The students are encouraged to use different knowledge sources (library, e-learning and scientific databases and the internet) for data collection and analysis.

In some departments, the students are divided into small groups (5-10 students) in order to enhance cooperative and team work skills. Each group presents their report using

PowerPoint data show or overhead projector facilities in an open discussion fashion during lab. period. In other departments, each student is asked to individually prepare a report on specific topic covered by the running course.

In addition posters prepared by students are evaluated by staff members and most informative posters are displayed in the concerned department. The students were encouraged to participate in discussion of different case studies in the field of clinical pharmacy, Over the Counter Drugs (OTC), practical pharmacokinetics; computer-aided drug design, structure elucidation and quality control assays are among the activities practiced by students of 3<sup>rd</sup> and 4<sup>th</sup> level.

### **C.5.3- 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 of quiz 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 2014/2015, several achievements have been performed by 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 136 students with total sum of 17300 L.E during the year 2014/2015. 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**

### **C.6.1.a. No. and ratio of faculty staff members and their assistants to students.**

Faculty staff: Student ratio 1:17

Teaching assistant: Student ratio 1:23

### **C.6.1. b. Matching of faculty member`s specialization to programme needs.**

Adequate

### **C.6.1. 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.

### **C.6.1.d. Adequacy of library facilities**

Access to the student and the faculty libraries is allowed from 8.00 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 (6)**

<b>Item</b>	<b>Number</b>
Total Foreign Books	11536
Total Arabic Books	1395
Full Scientific Periodicals	53
Theses	17480.
Computers	14
Photocopiers	2
Microfilm Data show	3
Microfiche Data show	1
Television and Video	1
Audio Cassette	1



**C.6.1.e- Adequacy of laboratories**

Adequate: 27 laboratories are furnished to suit the practical labs in each department in addition to laboratories available at Faculty of Science and Faculty of Medicine.

**C.6.1.f. Adequacy of computer facilities**

Adequate: 3 labs general and 2 labs for drug design, capacity 30 students each.

**C.6.1.g. Adequacy of field training resources**

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

### C.6.1.h. Adequacy of other programme needs

Table (7) : General and professional seminars and lectures. Held during 2014/2015

م	عنوان الندوة	التاريخ	المحاضر	عدد الحضور
١.	إجتماع السيد الأستاذ الدكتور / عميد الكلية مع مديري الإدارات	٢٠١٤/٩/١٧م	السيد الأستاذ الدكتور / زيدان زيد إبراهيم عميد الكلية	٢٧
٢.	ورشة عمل تحت عنوان ( محرك بحث جوجل العلمى )	٢٠١٤/١٠/١٦م	السيد الدكتور / رفعت بكر جامد – مدرس بقسم العقاقير ومدير وحدة الخدمات التكنولوجية	٨٠
٣.	ندوة ”مهارات الإتصال الفعال ”	٢٠١٤/١٠/٢٩م	السيد الدكتور / علاء عرفات خليفة حيال الله – القائم بأعمال رئيس مجلس قسم الكيمياء العضوية الصيدلانية	١٤٨
٤.	ندوة ”إستخدام السبورة التفاعلية ”	٢٠١٤/١١/١م	السيد الدكتور / أحمد صفوت محمد – مدرس بقسم الكيمياء الطبية	٦
٥.	ندوة ”مهارات الإتصال الفعال II- ”	٢٠١٤/١١/٥م	السيد الدكتور / علاء عرفات خليفة حيال الله – القائم بأعمال رئيس مجلس قسم الكيمياء العضوية الصيدلانية	٢٩
٦.	ندوة ”التقدم للمشروعات البحثية ”	٢٠١٤/١١/١٠م	السيد الدكتور / محمود فهمى على الصبحى – مدرس بقسم الصيدلانيات	٢٤
٧.	ندوة ”إختيار وتطوير حياتك المهنية كصيدلى ”	٢٠١٤/١١/١٢م	السيد الدكتور / محمود فهمى على الصبحى – مدرس بقسم الصيدلانيات	١٤

Table (7) Cont :

م	عنوان الندوة	التاريخ	المحاضر	عدد الحضور
٨.	ندوة "محاكاة الإخلاء من المباني"	٢٠١٤/١١/١٧ م	السيد / محمد عبد العال حسين - مشرف الحماية المدنية بالجامعة	٢٦
٩.	دورة تنشيطية "لتدريب وإعتماد المراجعين الداخليين بالكلية على المواصفات القياسية لنظام ISO 9001/2008 مع الشركة المانحة (AJA- Egypt)	٢٠١٤/١١/٢٢ م	السيد المهندس / أحمد عثمان السيد المهندس / عمرو أحمد عثمان	٢١
١٠.	اجتماع فريق زيارة الشركة المانحة (AJA- Egypt) لتجديد شهادة ISO 9001/2008 مع السادة فريق المراجعين الداخليين بالكلية	٢٠١٤/١١/٢٣ م	السيد المهندس / أحمد عثمان السيد المهندس / عمرو أحمد عثمان	٢٣
١١.	دورة تدريبية "التدريب على نظام الفارابي لجودة التعليم والإعتماد"	٢٠١٤/١١/٢٦ م	مدربين من قبل مركز تطوير نظم المعلومات الإدارية بالجامعة	٢٣
١٢.	زيارة المتابعة من قبل مركز ضمان الجودة بالجامعة	٢٠١٤/١٢/١٧ م	١- السيد الأستاذ الدكتور / محمود عبد الناصر على ٢- السيدة الأستاذة الدكتورة / هبة محمد سعد الدين فريق الزيارة	٦
١٣.	زيارة وفد الجامعة المفتوحة من السودان لمناقشة إدارة الجودة بكلية الصيدلة	٢٠١٥/٢/٩ م		١١

م	عنوان الندوة	التاريخ	المحاضر	عدد الحضور
١٤.	ورشة عمل " النمذجة الجزيئية كوسيلة لتصميم وإكتشاف الأدوية	٢٠١٥/٢/٥-٣ م	<ul style="list-style-type: none"> <li>- السيد الأستاذ الدكتور/ طارق أبو الفضل محمد - وكيل الكلية لشئون التعليم والطلاب</li> <li>- السيد الدكتور/ رفعت بكر حامد - مدرس بقسم العقاقير</li> <li>- السيد الدكتور/ أحمد مجدى محمد - مدرس بقسم الكيمياء الطبية</li> </ul>	٢٤ مشترك
١٥.	دورة التحاليل والمصطلحات الطبية	٢٠١٥/٣/٢٣-٢١ م		٢٩٩
١٦.	دورة تدريبية لرفع كفاءة الفظليين والمحضرين وأمطاء المخلازن بالأقسام	٢٠١٥/٤/٥ م ٢٠١٥/٤/٨ م	<ul style="list-style-type: none"> <li>- السيد الأستاذ الدكتور/ عادل فوزى يوسف - أستاذ متفرغ بقسم الكيمياء الطبية</li> <li>- السيدة الأستاذ الدكتورة/ نادية محمد أحمد محفوظ - أستاذ متفرغ بقسم الكيمياء الطبية</li> <li>- السيد الأستاذ الدكتور/ محمود محمد شيحة - مدير وحدة ضمان الجودة</li> <li>- السيد المدرس المساعد/ زين العابدين حسيب محمد - مدرس مساعد بقسم الكيمياء الطبية</li> </ul>	٣٠

م	عنصر	التاريخ	المحاضر	عدد الحضور
١٧.	دورة تدريبية للتدريب على إمتياف تقرير المقررات الدراسية ورقياً وإلكترونياً على برنامج الفارابى لجودة التعليم والإعتماد	٢٠١٥/٥/٦ م	- السيد الأستاذ الدكتور/ زيدان زيد إبراهيم - عميد الكلية	٢٢
١٨.	دورة تدريبية على أعمال الملاحظة والإمتحانات بالكلية	٢٠١٥/٥/١٥ م	- السيد الأستاذ الدكتور/ طارق أبو الفضل محمد - وكيل الكلية لشئون التعليم والطلاب	١٠
١٩.	إجتماع فريق المراجعين الداخليين	٢٠١٥/٩/١٦ م	- صيدلانية / عزة بدرى منصور	١١

## **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 faculty QA unit 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 faculty QA unit. 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**

#### **D.4.1. External evaluators**

External reviewer is a vital component of overall QA unit 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)

- a. Prof. Dr. Mohamed S. Kamel, Professor of Pharmacognosy, Faculty of Pharmacy, El- Minia University.
- b. Prof. Dr. Norhan H. Fanaky, Professor of Microbiology, Faculty of Pharmacy, Alexandria University.
- c. Prof. Dr. Mahmoud B. Ashmawy, Professor of Medicinal Chemistry, Faculty of Pharmacy, Mansura University.

#### **D.4.2. Students**

Questionnaires were run by the Faculty Quality Assurance Unit (FQAU). The results of the questionnaires of the first semester were analyzed and discussed by the FQAU and the results were sent to each department. Questionnaires of the second semester were collected and currently processed by the FQAU. 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 raised 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.

#### **D.4.3. Faculty response to student and external evaluations**

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

## **E. Proposal for Programme Development**

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

No change in the structure except computer science instead of ICDL

### **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...etc.

## **F. Progress of action plans**

**F.1 Progress of action plan 2014/2015** The following table lists the action plan indicating whether specific actions were completed and the reason for any non-completion.



**Table (8) :Progress of action plan 2014/2015**

<b>Action Identified</b>	<b>Person responsible</b>	<b>Progress of the action</b>
Activating the external evaluation system for the faculty educational courses	Head of the Department	Done
Improvement of the "lecture notes" prepared by the faculty	Faculty Staff Members	Continued
Enhancing awareness of the updated mission among faculty leaders, faculty staff, administrative personnel, alumni, students,	QA Unit & staff members	Continued
Encourage all course instructors to orient students with the course specifications during the first lecture	Faculty Staff Members	Continued
The automated computerized system for student's affairs	Vice Dean for Student affairs & Management Information system centre (MIS)	Done
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
Encouraging faculty to delineate the targeted ILO's of the delivered courses.	Faculty Staff Members	Done
Establishing computerized database in the library.	Vice Dean for Research	Established
Providing students and research laboratories with more equipment needed to improve in laboratory educational process and to implement advanced research protocols.	The Dean Faculty Council Department councils	Partially completed
Organizing more workshops for training faculty staff on the new methods of teaching by using multimedia and e-learning.	Faculty council	Continued

**Table (8): Cont.**

Activating the external and internal evaluation system for the faculty's educational programme	Faculty council & QAU and Department	Continued
Development of Faculty central laboratories	Vice Dean for community Services & Environmental affairs Vice Dean for Research	Continued
Development of Pharmaceutical Services Centre	Vice Dean for Research	Continued
Development of pharmaceutical studies research center of Medicinal Plants.	The Dean Head of the Pharmacognosy Department	Continued
Conducting work shops 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 Student Union	Continued students achieved the training allover the two semester and summer holiday

## F.2. Progress of action plan 2014/2015

Table (9): The action plan that will be acted upon throughout 2014/2015

Action required	Person responsible	Date of completion
Adherence to the external evaluation system for the delivered courses	Heads of Department	Continued
Enhancing awareness of the updated mission among faculty leaders, faculty staff, administrative personnel, alumni, students, and collaborative bodies.	QAU & staff members	Continued through meetings and training lectures
Encouraging faculty to delineate the targeted ILO's of the delivered courses.	Faculty Staff Members	Done
Encourage all course instructors to orient students with the course specifications during the first lecture	Faculty Staff Members	Continued
The automated computerized system for student's affairs	Vice Dean for Student affairs & Management Information system centre (MIS)	Continued
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 & QA Unit	Done

Table (9): Cont.

The faculty obtained the quality management certificate (ISO).	Faculty council & QA Unit	Renewed
Development of Faculty central lab.	Vice Dean for community Services & Environmental affairs Vice Dean for Research	Continued
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
Consideration of statistical comparisons of results concerning the student performance analysis	Faculty QA Unit	To be considered

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