M.Pharm. Sci. Degree in Biochemistry

Program Report

(2018 – 2019)

M.Pharm. Sci. Degree in Biochemistry

A- Basic information:

1- Program title: M.Pharm. Sci. Degree in **Biochemistry**

2- Program type: Single

3- Faculty/ University: Faculty of Pharmacy, Zagazig University

4- Department: biochemistry

5- Program duration: 3-5 years

6- Coordinator: Ass. Prof. Nahla Younis

7- External Evaluator: Prof. Dr. Ola sayed

8- Internal Evaluator: Prof. Dr. Hoda Elsayed

9- Year of operation: 2018-2019

B- Statistics:

1. **No. of students admitting the program (2015/2016):** 3
2. **Percentage of students admitting the program this year (relative to the previous year)**

No. of students this year (2018-2019)	No. of students last year (2017-2018)
2	1

3. **No. of students completing the program and as a percentage of those who started:**

No. admitting the program	No. of students entered the exam	No. of students completed the program this year	Percentage
3	3	3	100%

4. **Grades: no. and percentage of each grade:** Non applicable

C- Professional Information:

Academic Standards:

1. Achievement of Program Intended learning Outcomes.

i-The following table presents the courses taught in the program and the covered ILOs`:

Course Code	**Course Title**	**Credit hours**	**Program ILOs Covered**	**Final exam duration**
	General Courses:			
M110	Molecular Biology	4	A1, B3, D2, D4	4 hours
M112	Physiology	2	A1, A2, B7, D1, D4	2 hours
M111	Biostatistics	2	A1, A9, B6, D1, D2	2 hours
M102	Instrumental analysis & chromatography II	4	A4, A8, B6, D2, D6, D7	4 hours
ME4	Biotechnology (Elective course)	4	A1, B3, D2, D4, D6, D7	4 hours
ME6	Drug-drug interaction (Elective course)	4	A2, A3, B3, D6, D8	4 hours
ME7	Drug induced disease (Elective course)	4	A2, A3, B3, D1, D4	4 hours
	Special Courses:			
Bsp2	Advanced Biochemistry	4	A1, A5, A6, B3, D3, D4, D6, D7	4 hours
Bsp1	Metabolism of individual tissue	4	A1, A5, B3, D3, D2, D4, D6	4 hours
Bsp3	Integration of metabolism	4	A1, A5, B3, D2, D3, D4	4 hours

	Thesis	30	A1, A2, A5, A6, A7, A9, B1, B2, B4, B5, B6, B7, C1, C2, C3,C4, C5, C6, D1, D2, D3, D4, D5, D6, D7, D8	

2. Achievement of Program Aims:

a. The aim as well as the intended learning outcomes of the program has been evaluated regarding; students achievement using different assessment methods as described below indicated high achievement % and complete achievement of program ILOs.

3. Assessment Methods:

Method	item assessed
Written exam	**1- Courses:** General : 20 credit hours(Compulsory: 12, Elective: (2x4) 8) Special: (3courses x4 hours) 12 credit hours
Oral exam	
Activity	
Seminars	**2- Thesis:** 30 hours
Supervisors follow up reports	
One published article	
Thesis and oral presentation	
Pass	**3- General University Requirements:** 10 credit hours including: a- TOEFL (400 units) b- Computer course

4. Student Achievement:

Course Code	Course Title	Student 1 grades	Student 2 grades	Student 3 grades
1. General Courses:				
M110	Molecular biology	95 A	68 D	71
M112	Physiology	92 A	83 B	68 D
M111	Biostatistics	94 A	88 B	87 B

M102	Instrumental analysis	94 A	80 B	86 B
ME4	Elective course 1 (Biotechnology)	97 A	87 B	79 C
ME6	Elective course 2 (Drug interaction)	87 A	83 B	79 C
2.	**3. Special courses:**			
Bsp1	Metabolism of individual tissue	92 A	98 A	91 A
Bsp2	Advanced Biochemistry	95 A	91 A	80 B
Bsp3	Integration of metabolism	99 A	95 A	93 A
	English language	TOEFL	TOEFL	TOEFL
	Computer course	√	√	√
	Thesis eligibility report	√	√	√
	One published article	√	√	√

5. Quality of learning opportunities:

a. Quality of Teaching and Learning:

b. Effectiveness of student support system:

Academic advisor is available for student guidance during courses registration as well as solving problems encountered during their learning experience.

c. Availability and adequacy of program handbook.

In fact, a program handbook is available as a hard and soft copy demonstrating illegibility and registration requirements, list of courses, credit hours as well as teaching and assessment methods.

d. Learning Resources:

- ***Adequacy of the number and specialty of the faculty members to the requirements of the program:***

  - Number of department staff: 9

  - Number of master students: 3

  - Students/ staff ratio: 1: 3

  Regarding teaching general courses: staffs from Biochemistry, pharmacology and analytical chemistry departments are participating in courses delivery

- Regarding teaching of special courses: Biochemistry staff is responsible for courses delivery
- Regarding thesis supervision: Biochemistry staff members are responsible for determining the research point and supervising the thesis.

- ***Adequacy of facilities for thesis completion:***

6. Quality Management.

a. Availability of regular evaluation and revision system for the program:

Program specification of the academic year 2017-2018 was reviewed by: Internal and external reviewers as well as reviewers of NAQAAE and all their comments are reviewed and considered in program specification 2018-2019.

External reviewer comments: revision and rephrasing program ILOs to emphasize the program aim regrading developing the students' research abilities

Reviewers of NAQAAE: Benchmark of program ILOs with similar international master program

b. Effectiveness of the system:

- No administrative constraints present that may hinder achieving program ILOs.

- The faculty is seeking for increasing budget required for research to improve research facilities.

c-Effectiveness of Faculty and University Laws and Regulations for Progression and Completion.

The system effectively supports the students in a manner that fairly facilitates the progression and completion of the degree.

d. Faculty Response to Students and External Evaluations:

- Bench mark of the program ILOs was compared to Master of Biochemistry provided by University of Southampton, UK.

8. Proposals for Program development:

a. Program structure: Refer to the attached program specification and postgraduates bylaws.

b. Courses, deletion, addition, modification: new topics will be added to "Molecular biology" course to be more specified in the new bylaw.

c. Staff development: encourage staff members for conference and workshop attendance

9. Action plan for improvement:

Action	Person responsible	Completion date
Revision of program ILOs and make required changes	• Program coordinator	2019-2020
Improve research facilities	• Vice dean for postgraduate studies and research	2019-2020
Update course contents in the next new law	• Vice dean for postgraduate studies and research • Program coordinator	2019-2020
Organize different workshops to build up students research abilities	• FLDP center • Faculty training unit	2019-2020
Update the content of molecular biology	• Program coordinator	2020 - 2022