



**M.Pharm. Sci. Degree in Pharmaceutical
Organic Chemistry
Program Report
(2018 – 2019)**



M.Pharm. Sci. Degree in Pharmaceutical Organic Chemistry

A- Basic information:

1- Program title: M.Pharm. Sci. Degree in Pharmaceutical Organic Chemistry

2- Program type: Single

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

4- Department: Pharmaceutical Organic Chemistry

5- Program duration: 3-5 years

6- Coordinator: Prof. Dr. / Said Elfiky

7- External Evaluator: Prof. Dr. Manal Kandil (Cairo University)

8- Internal Evaluator: Prof. Dr. Eatedal H. Abdel aal

9- Year of operation: 2018-2019

B- Statistics:

1. No. of students admitting the program (2014/2015): 1
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)
1	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
1	1	1	100%

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

C- Professional Information:

Academic Standards:

1. Achievement of Programme 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 examination duration
	General Courses:			
M101	Advanced instrumental analysis and chromatography I	4	A1, B1, D2	4 hours
M106	Physical chemistry	4	A1, B1, B3, D2, D6	4 hours
M109	Drug design	4	A3, D2	4 hours
ME1	Quality Control	4	A1, A5, B1, B5, D2, D4	4 hours
ME3	Elective Course B Drug stability	4	A1, B6, D2	4 hours
	Special Courses:			
Osp1	Advanced Organic Chemistry: Structure and Mechanism	4	A1, B2, B3, B5, D2, D4, D6 , D8	4 hours
Osp2	Advanced Organic Chemistry: Reactions and Synthesis	4	A1,B2, B3 B6 B7, D2, D4, D6, D7 , D8	4 hours
Osp3	Advanced Heterocyclic Organic Chemistry	4	A1,A3, B2, B3 B6 D1, D2, D4, D6, D7 , D8	4 hours

	Thesis	30	A1, A2, A3, A4, A5, A6, B1, B2, B3, B4, B5, B6, B7, C1, C2, C3, D1, D2, D3, D4, D5, D6 ,D 7, D8	
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2. Achievement of Program Aims:

a. The aim as well as the intended learning outcomes of the program have 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:

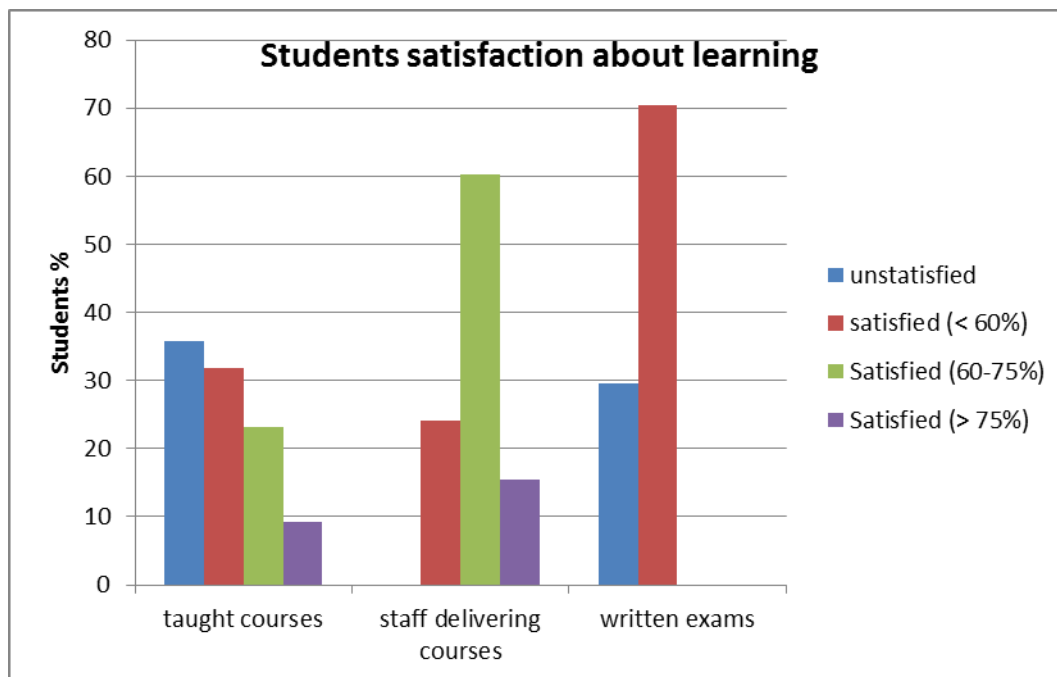
Course Code	Course Title	Student 1 grades
1. General Courses:		
M109	Drug design	88 (B+)
M101	Advanced Instrumental Analysis & chromatography I	92 (A)

M106	Physical chemistry	98 (A+)
ME3	Elective A Good practice for analysis of drugs and quality control	94 (A)
ME2	Elective B Drug Stability	94 (A)
2. Special courses:		
	Advanced Organic Chemistry: Structure and Mechanism	79 (C+)
	Advanced Organic Chemistry: Reactions and Synthesis	88 (B+)
	Advanced Heterocyclic Organic chemistry	90 (A)
	English language	TOEFL
	Computer course	√
	Thesis eligibility report	√
	One published article	√

5. Quality of learning opportunities:

a. Quality of Teaching and Learning:

The quality of teaching and learning was evaluated through questionnaires distributed to all postgraduates students in the faculty. About 40- 45% of students were unsatisfied about the courses contents and their ability to develop intellectual skills. About 60% of the students were unsatisfied about the availability of the required references for the program. The overall questionnaire results are illustrated in the following figure:



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: 8
- Number of master students: 1
- Students/ staff ratio: 1:8

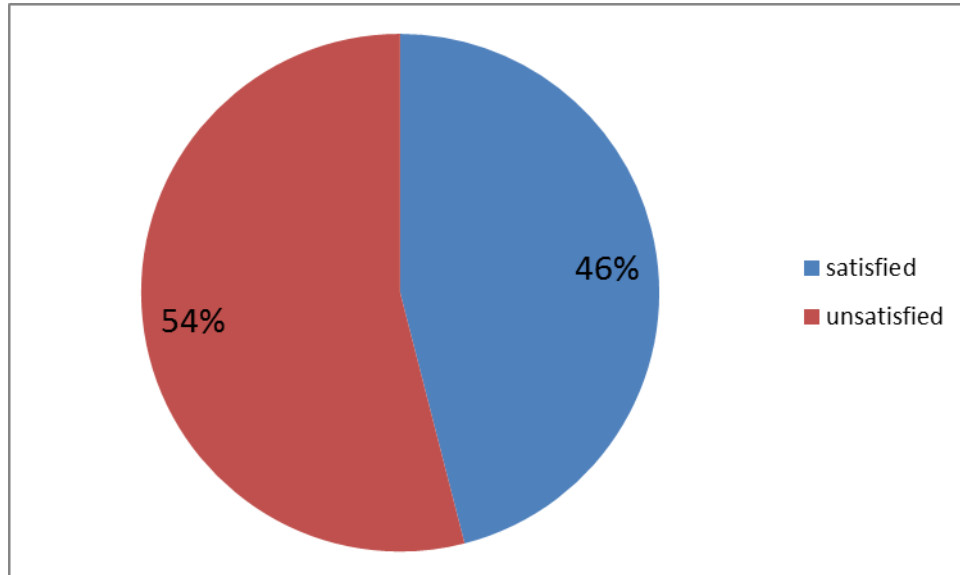
Regarding teaching general courses: staffs from the department are participating in courses delivery

- Regarding teaching of special courses: staffs from the department are participating in courses delivery
 - Regarding thesis supervision: Two or three staff members of the department are selected according to the determined research point. Sometimes other staff members from other faculties of pharmacy or science or from the National

organization for drug control and research (NODCAR) participate in the supervision

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

- Students were unsatisfied about the available lab instruments, references and computer programs required for thesis preparation.



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 regarding 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 special courses with courses delivered by Stockholm University, Sweden & Lund University, Sweden

8. Proposals for Program development:

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

b. Courses, deletion, addition, modification

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	● Program coordinator	2019-2020
Organize different workshops to build up students research abilities	● FLDP center ● Faculty training unit	2019-2020

- Vice dean of postgraduate studies.....
- Program coordinator.....

