



**Program: Master in Pharmaceutical Sciences
(Specialization)**

Name of the Dept

لوجو القسم العلمى

Program Specification

Academic Year: 2020/2021

رئيس القسم
أ.د./

signature



A-Basic Information

1	Faculty	Pharmacy
2	Program Title:	Master in Pharmaceutical Sciences (<i>specialization</i>)
3	Program Type:	Single
4	Department (s):	Department of -----
5	Final award:	Master degree in (specialization)
6	Coordinator:	--
7	External Evaluator(s):	--
8	Date of Program Specification Approval:	<i>Department council: --/3/2021,</i> <i>Faculty council: 20/3/2021</i>

B-Professional Information

1-Program Aims

Upon successful completion of the program, graduates should demonstrate comprehensive knowledge, clear understanding and outstanding skills in pharmaceutical sciences and *specialization*.

- | | |
|-----|----|
| 1.1 | -- |
| 1.2 | -- |
| 1.3 | -- |



2-Intended Learning Outcomes (ILOs)

A- Knowledge and Understanding:

By the end of this program the graduate should be able to:

A1	--
A2	--
A3	--
A4	--

B- Intellectual Skills

By the end of this program the graduate should be able to:

B1	--
B2	--
B3	--
B4	--

C- Professional and Practical Skills

By the end of this program the graduate should be able to:

C1	--
C2	--
C3	--
C4	--

D. General and Transferable Skills

By the end of this program the graduate should be able to:

D1	--
D2	--
D3	--
D4	--



3-Academic Reference Standards (ARS):

Approved by both the department and faculty councils

Department Council Approval Date: --/3/2021,

Faculty Council Approval Date: 20/3/2021

3a- Academic References Standards: (Attached)

3b-Comparison of provision to External References

Achievement of academic reference standards via program Intended Learning Outcomes.

ILOs	ARS	Program
1. Knowledge and Understanding	1.1	A1, A2, A3
2. Intellectual Skills	2.1	B1
3. Professional and Practical Skills	3.1	C1, C2
4. General and Transferable Skills	4.1	D1

4-Curriculum Structure and Contents

4A. Program duration: 18 months from the date of registration -5 years.

4B. Program structure:

- The program consists of 46 credit hours of study (16 credit hours of courses and 30 credit hours for thesis).
- The program includes 16 credit hours graduate courses. These courses include 8 credit hours of general required courses of the faculty requirement, in addition to 8 credit hours of special required



(6 credit hours) and special elective (2 credit hours) courses. The courses will possess the code [200] according to Faculty By-Law.

- c. A scientific research thesis of 30 credit hours represent a main component of the program. It is achieved in a subject assigned by the supervision committee, endorsed by the Department Council, the committee of graduate studies & research and the Faculty Council.
- d. The student should publish at least one scientific research paper in scientific journals before the public defense of the Thesis..

4c. Program Components

1- Courses according to the By-law

Code number	Name of the course	Type	Credit Hours	Semester
xxx-201		General Compulsory	2	Fall
xxx-202		General Compulsory	2	Fall
xxx-203		General Compulsory	2	Spring
		Special Compulsory		
		Special Compulsory		
xxx-204		elective	2	Spring
xxx-205		elective	2	Spring
Total (Courses)			16	
	Thesis		30	
Total			46	



2- Achievement of Program Intended Learning Outcomes by its components

Course	C.H/ week	Program ILOs (by No.)			
		K.U*	IS**	P.P.S***	G.T.S****
First Semester - General Courses (8 C.H.)					
<i>Instrumental Analysis (GCM-201)</i>	2				
<i>Statistics and biostatistics (GCM-202)</i>	2				
<i>Physical chemistry (GCM-203)</i>	1				
<i>Bioinformatics (GCM-204)</i>	1				
<i>Research Methodology & Ethics (GCM-205)</i>	1				
<i>Scientific writing and Seminar (GCM-206)</i>	1				
Total	8				
Second Semester - Special Courses (8 C.H.)					
	2				
	2				
	2				
	2				
Total	8				
Thesis	30				
Total	46				

- * *Knowledge and Understanding*
- ** *Intellectual Skills*
- *** *Professional and Practical Skills*
- **** *General and Transferable Skills*



Code	Course title	K.U*				IS**				P.P.S***				G.T.S****			
		a1	a2	a3	a4	b1	b2	b3	b4	c1	c2	c3	c4	d1	d2	d3	d4
--	--	√															
--	-- (E)																

- * *Knowledge and Understanding*
- ** *Intellectual Skills*
- *** *Professional and Practical Skills*
- **** *General and Transferable Skills*
- E** *Elective course*



6- Student Assessment Methods

6.1- Written exam (general and special courses).	To assess Knowledge and Understanding and Intellectual Skills
6.2- Oral exam (general and special courses).	To assess Knowledge and Understanding, Intellectual Skills and General and transferable Skills
6.3- Scientific seminar for thesis registration	To assess Knowledge and Understanding, Intellectual Skills and General and transferable Skills
6.4- Published scientific research paper.	Knowledge and Understanding, Intellectual Skills, Professional and practical Skills
6.5- Thesis writing	Knowledge and Understanding, Intellectual Skills, Professional and practical Skills & General and Transferable Skills
6.5- Public presentation and discussion of the thesis.	Knowledge and Understanding, Intellectual Skills, Professional and practical Skills & General and Transferable Skills

7- Program Admission Requirements

- 7.1- The candidate should hold a bachelor degree in pharmacy from any faculty of pharmacy from Egypt or Arabian countries or foreign universities recognized by the Supreme Council of Universities recognized by the Supreme Council of Universities with minimum general grade of "Good". Candidates having Diploma in the area of specialty are preferred. It is possible to enroll foreign students with general grade "Good".
- 7.2- The candidate should be available for study at least two days per week throughout the duration of study.
- 7.3- The candidate should possess at least grade "Good" in the subject of the specialty.
- 7.4- The department council starts the registration process for the candidate after his/her successful passing of the general courses of the first semester.
- 7.5- The candidate should follow postgraduate rules of by-law (2014) and its modified by-law (2017) of Faculty of Pharmacy-Mansoura University.

8- Regulations for progression and program completion

- 8.1- The minimum duration of time to gain the master degree is two years from the date of enrollment or 18 months from the date of registration of the master thesis.
- 8.2- The maximum duration of time to gain the master degree is 5 years from the date of registration, putting in consideration the periods of enrollment suspension. It is possible to extend this period up to two years (one year at a time) based on a request from the candidate's



major supervisor, a suggestion from the department council and the committee of graduate studies & research and the approval of the faculty council. The final decision should be endorsed by the university council of graduate studies & research.

- 8.3- The student has to pass the assigned courses, and to practically do a scientific research thesis for complete fulfillment of the master degree.
- 8.4- An annual progress report is presented by the supervisors of thesis to the Dept Council by December.
- 8.5- The candidate should follow postgraduate rules of by-law (2014) and its modified by-law (2017) of Faculty of Pharmacy-Mansoura University.

9- Facilities Required for Search:

- 9.1- Computers.
- 9.2- Library and digital library supplied by recent scientific books and journals.
- 9.3- Laboratories with enough chemicals, apparatus and advanced instruments.
- 9.4- Access to research engines for scientific periodicals in the field of *specialization*.

10- Thesis

A thesis should be prepared by the student for complete fulfillment of the master degree.

11- Evaluation of program

Evaluator	Method	Sample
Internal evaluator	Program evaluation Courses evaluation	Program report Courses report
External evaluator	Program evaluation Courses evaluation	Program report Courses report
Stakeholders	Questionnaires	To be Attached
Postgraduates	Questionnaires	To be Attached
Self-evaluation	Matrices	To be Attached
Supervisors of Thesis	Reports	Reports of staff members of committee to evaluate the thesis

Program Coordinator:

Head of Department: Prof. Dr.

Signature:

Annex : **Attach courses and thesis specifications.**