



Postgraduate Studies



Department of: Pharmaceutics

Program: Master degree Courses in Pharmaceutical Sciences (specialization)

Course: Advanced Drug Delivery Systems Code: (PTM-203)

Course Report

Academic year: 2020/2021 First Semester

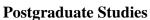
البرنامج الحصول علي درجة الماجيستيرفي العلوم الصيدلية

> رئیس القسم أد. ارهان إبراهیم ابو هاشم

<u>تقریر مقرر</u>
Advanced Drug Delivery
Systems

منسق المقرر ا. د. خيرى السيد جبر







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U	111 /	ersity:

Faculty:

Department:

A. Basic Information

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Course Title and code:	Advanced Drug Delivery Systems	
Program on which this course is given:	Master degree Courses	
Total Credit hours:	2	
Lectures:	Tutorial/Practical:	
Academic Level	Postgraduate	
Academic year	2020/2021 - Second semester	
Name of lecturers contributed to the delivery of this course	أ.د. خيري السيد جبر .1أ د. ارهان إبراهيم ابو هاشم.2	
Course co-coordinator:	ا. د. خيري السيد جبر	
External evaluator:		
Date of Department Council Approval	15/5/2022	
Date of Faculty Council Approval	5/2022	

B. Statistical Information:

No. of students attending the course: 8

No. of students completing the course: 8

Exam Results

Passed No.: 7 percentage: 87.5 Failed No.: 1 percentage: 12.5

Grading of successful students (%):

A +	57.14	A	14.29	A-	-
\mathbf{B} +	-	В	14.29	В-	14.29
C+	-	C	-	C-	-
D+	-	D	-	D-	-

C. Professional Information:

1. Course teaching:

No.	Topics actually taught
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Postgraduate Studies

1.	Fundamental of drug delivery systems (Influence of drug properties, Design of
	sustained and controlled release)
2.	Site-directed Drug Delivery & Targeting.
3.	Vesicular drug delivery systems such as niosomes, transfersomes, and ethosomes
	(preparation, characterization, advantages, and applications).
4.	Dendrimers as drug and gene delivery system (preparation, characterization,
	advantages, and applications).
5.	Oral drug delivery and advanced drug delivery systems.
6.	Mucosal drug delivery and advanced delivery systems.
7.	Nasal drug delivery and advanced delivery systems.
8.	Ocular drug delivery and advanced delivery systems.
9.	Transdermal drug delivery and advanced delivery systems.
10.	Vaginal drug delivery and advanced delivery systems.

Topics taught as a percentage of the content specified:

√ > 90 % < 70 % < 70 %	
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Lecturers commitment of the course content:

√ > 90 %	70 - 90 %	< 70 %
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Coverage of exam topics to course content:

√ > 90 %	70 - 90 %	< 70 %

2. Used teaching and Learning Methods:

Lectures:	Lectures using Power Point (PPT) presentations		
Practical Training/ Laboratory:			
Seminar / Work shop:	Video-recorded lectures , uploaded to the University Portal for Online learning		
Class Activity:	Interactive Sessions using Microsoft Teams		
Case Study:	Lectures using Power Point (PPT) presentations		
Other assignments / home work:			

3. Student Assessment:

a. Method of Assessment	Percentage of total
Written examination	85%





Postgraduate Studies

Oral examination	15%
Practical / laboratory work	
Semester Work	

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h I	▼ /I	Δm	hare at	i examination	committee
v. l	.v.			Cammanon	COMMITTEE.

أ.د. خيري السيد جبر .1

أد. ارهان إبراهيم ابو هاشم. 2

c. Role of external evaluator (If any):

Please make paraphrasing to the following sentences, or suggest new one

- 1. Revision of course contents, and suggest new topics.
- 2. Revision of teaching and learning strategy.
- 3. Revision of course notes and suggest enhancement plan
- 4. Revision of Exam and related assignments

4. Facilities and Teaching Materials

Totally adequate	\checkmark
Adequate to some extent	
Inadequate	
List any inadequacies:	

5. Administrative constraints

List any difficulties encountered:		

6. Student evaluation of the course:

List any criticisms and response of course team

criticisms	response of course team

7. Comments from external evaluator(s) (if exists) and response of course team:

Comment	Response
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Postgraduate Studies

8. Course enhancement suggestions:

Progress on actions identified in the previous year's action plan:

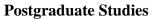
Action	Completed	Not completed	Why not completed?
Ex: . Upgrade course note	V		
Or			
Upgrading teaching strategy in practical sessions from drawing and illustration to presentations			

Action Required	Person responsible	Completion Date
Self learning & encouraging students to search in subjects related to the course and discuss it with them	Course Coordinator	

	Name	Signature
Course Coordinator	Prof. Dr. Khairy Ghabr	
Head of Department	Prof. Dr. Irhan Ibrahim Abu Hashim	









Department of: Pharmaceutics

Program: Master in Pharmaceutical Sciences (specialization)

Course: Controlled drug delivery systems Code: (PTM-204)

Course Report

Academic year: 2020/2021 Second Semester

البرنامج ماجستير العلوم الصيدلية

تفرير مفرر أنظمة دوائية للتحكم في توصيل الدواء

رئيس القسم أد. إرهان إبراهيم أبوهاشم منسق المقرر أ.م. د. مروه صلاح الدهان





Postgraduate Studies

University: Mansoura

Faculty: Pharmacy

Department: Pharmaceutics

A. Basic Information

Course Title and code:	Controlled drug delivery systems (PTM-204)
Program on which this course is given:	Master Program
Total Credit hours:	2
Lectures: using power point presentation Tutorial/Practical: -	S.
Academic Level	Postgraduate
Academic year	2020/2021 - second semester
Name of lecturers contributed to the delivery of this course	1. Asst. Prof. Dr. Marwa Salah El-Dahhan 2. Prof. Dr. Osama A. Soliman
Course co-coordinator:	Asst. Prof. Dr. Marwa Salah El-Dahhan
External evaluator:	Prof. Dr. Sahar Elhagar
Date of Department Council Approval	15/5/2022
Date of Faculty Council Approval	5/2022

B. Statistical Information:

No. of students attending the course: 8

No. of students completing the course: 8

Exam Results

Passed No.: 8 percentage: 100% Failed No.: - percentage: 0%

Grading of successful students (%):

A +	87.5%	A	12.5%	A-	
B +		В		В-	
C+		C		C-	
D+		D		D-	



Postgraduate Studies



C. Professional Information:

1. Course teaching:

No.	Topics actually taught
1.	Fundamental of controlled drug delivery systems (Influence of drug properties, Design of sustained and controlled release).
2.	Design and formulation of; a-Oral controlled release drug delivery systems,
	b-Parenteral products including; implantable therapeutic systems and transdermal therapeutic systems.
3.	Pharmacokinetic and pharmacodynamics basis of controlled drug delivery.
4.	Dosing considerations and bioavailability assessment of controlled drug delivery systems.
5.	Requirements for modified release dosage forms.
6.	In-vitro-in-vivo correlations of the drug availability.
7.	Clinical considerations in the use of modified-release dosage forms.
8.	Transdermal drug delivery systems and clinical considerations.

Topics taught as a percentage of the content specified:

$\sqrt{} > 90 \%$	70 - 90 %	< 70 %
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Lecturers commitment of the course content:

√ > 90 %	70 - 90 %	< 70 %
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Coverage of exam topics to course content:

		√ > 90 %	70 - 90 %	< 70 %
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2. Used teaching and Learning Methods:

Lectures:	Using Power point presentations	
Practical Training/ Laboratory:	-	
Seminar / Work shop:	-	
Class Activity:	Tasks required to develop students self-learning skills.	
Case Study:	-	
Other assignments / home work:	Internet search and Research assignments to	



2020/2021 Postgraduate Studies



design formative assignments.

3. Student Assessment:

a. Method of Assessment	Percentage of total
Written examination	90%
Oral examination	10%
Practical / laboratory work	-
Semester Work	-

b. Members of examination committee:

- 1. Asst. Prof. Dr. Marwa Salah El-Dahhan
- 2. Prof. Dr. Osama A. Soliman

c. Role of external evaluator (If any):

- 1. Review of course items.
- 2. Suggestion of new topics.
- 3. Offering new learning techniques.
- 4. Revision of Exam and related assignments.

4. Facilities and Teaching Materials

Totally adequate	√
Adequate to some extent	
Inadequate	
List any inadequacies:	

5. Administrative constraints

List	any	difficulties	encountered:
Not	foun	ıd	

6. Student evaluation of the course:

List any criticisms and response of course team

criticisms	response of course team
Not found	





Postgraduate Studies

7. Comments from external evaluator(s) (if exists) and response of course team:

Comment	Response
The method of evaluation of	
students should be modified to	
include semester work.	

8. Course enhancement suggestions:

Progress on actions identified in the previous year's action plan:

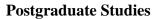
Action	Completed	Not completed	Why not completed?
Ex: . Upgrade course note	V		

Action Required	Person responsible	Completion Date
Updating references and course contents.	Course coordinator	8/2021

	Name	Signature
Course Coordinator	Asst. Prof. Dr. Marwa Salah	
Course Coordinator	El-Dahhan	
	Prof. Dr. Irhan Ibrahim Abu	
Head of Department	Hashim	









Department of :... Pharmaceutics

Program: MS. D in Pharmaceutical Sciences (specialization)

Course: Kinetics, stability and storage of dosage forms **Code:** PTM-201)

Course Report

Academic year: 2020/2021 First Semester

البرنامج ماجستير الصيدلانيات

رئیس القسم أد.ارهان ابراهیم ابو هاشم تقریر مقرر

stability and storage of dosage forms

منسق المقرر الصباغ الصباغ



Postgraduate Studies



University: Mansoura University

Faculty: Faculty of Pharmacy

Department: of pharmaceutics

A. Basic Information

Course Title and code:	Kinetics, stability and storage of dosage forms		
Program on which this course is given:	MS.D. Program		
Total Credit hours:	2		
Lectures:	Tutorial/Practical:		
Academic Level	Postgraduate		
Academic year	2020/2021 - second semester		
Name of lecturers contributed to the delivery of this course	1. Prof. Dr. Hassan Mohammed Hassan Elsabagh		
	2. Prof. Dr.Thana Mohammed AL saeed Borg		
Course co-coordinator:	1. Prof. Dr. Hassan Mohammed Hassan Elsabagh		
External evaluator:			
Date of Department Council Approval	15/5/2022		
Date of Faculty Council Approval	5/2022		

B. Statistical Information:

No. of students attending the course: 8
No. of students completing the course: 8

Exam Results

Passed No.:8 Percentage100%: Failed No.:-Zero percentage:Zero

Grading of successful students (%):

\mathbf{A} +	25%	A	37.5%	A-	_
\mathbf{B} +	12.5%	В	12.5%	В-	12.5
C+	-	C	-	C-	-



2020/2021 Postgraduate Studies



D+	-	D -	D

C. Professional Information:

1. Course teaching:

No.	Topics actually taught
1.	Introduction.
2.	Guidelines.
3	Types of stability.
4	Factors affecting stability.
5.	Packaging and stability.
6	Stability of solid dosage forms.
7	Stability of semisolid dosage forms.
8	Stability of liquid dosage forms.
9	Stability tests.
10	Accelerated studies.
11	Revision.

Topics taught as a percentage of the content specified:

$\sqrt{} > 90 \%$ $70 - 90 \%$ $< 70 \%$
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Lecturers commitment of the course content:

$\sqrt{} > 90 \%$ $70 - 90 \%$ $< 70 \%$
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Coverage of exam topics to course content:

√ > 90 %	70 - 90 %	< 70 %

2. Used teaching and Learning Methods:

Lectures:	using Power Point (PPT) presentations
Practical Training/ Laboratory:	Interactive Sessions using Microsoft Teams
Seminar / Work shop:	Data show- Computers, Internet.
Class Activity:	Microscopes, equipment, tools
Case Study:	





Postgraduate Studies

Other assignments / home work:				
3. Student Assessment:				
a. Method of Assessment Percentage of total				
Vritten examination 90%				
Oral examination	10%			
Practical / laboratory work				
Semester Work				
b. Members of examination committee	:			
1-Prof. Dr. Hassan Mohammed Hassa	n Elsabagh			
2 Prof. Dr.Thana Mohammed AL sa	eed Borg			
c. Role of external evaluator (If any):				
Please make paraphrasing to the following	ng sentences, or suggest new one			
1. Revision of course contents, and sugg				
2. Revision of teaching and learning stra	-			
3. Revision of course notes and suggest	enhancement plan			
4. Revision of Exam and related assignment	nents			
4. Facilities and Teaching Materials	S			
Totally adequate	√			
Adequate to some extent				
Inadequate				
List any inadequacies:				
5. Administrative constraints				
List any difficulties encountered:				
Not Present				

6. Student evaluation of the course: \dots

List any criticisms and response of course team





Postgraduate Studies

criticisms	response of course team
Appreciate the course	

7. Comments from external evaluator(s) (if exists) and response of course team:

Comment	Response
Appreciate the course	

8. Course enhancement suggestions:

Progress on actions identified in the previous year's action plan:

Action	Completed	Not completed	Why not completed?
Ex: . Upgrade course note			
Or			
Upgrading teaching strategy in practical sessions from drawing and illustration to presentations			

Action Required	Person responsible	Completion Date
Encourage student to work in a team.	Enhancement of the course.	

	Name	Signature
Course		
Coordinator	Prof. Dr. Hassan Mohammed Hassan Elsabagh	
	Prof Dr.Irhan Ibrahim Abu Hasim	
Head of Department		



Postgraduate Studies





Department of pharmaceutics

Program: Master Degree Program Course: Pharmacokinetics

Code: (PTM-202)

Course Report

Academic year: 2020/2021 Second Semester

البرنامج ماجستير الصيدلانيات

رئیس القسم أد. ارهان ابراهیم ابو هاشم تقرير مقرر حركية الدواء Pharmacokinetics

منسق المقرر ا. د. محاسن محمد عبدالهادي



Postgraduate Studies



University: Mansoura

Faculty: Pharmacy

Department: Pharmaceutics

A. Basic Information

Course Title and code:	Pharmacokinetics (PTM-202)
Program on which this course is given:	Master degree in pharmaceutics
Total Credit hours:	2
Lectures:	Tutorial/Practical: 2/0
Academic Level	Postgraduate
Academic year	2020/2021 - second semester
Name of lecturers contributed to the delivery of this course	Prof. Dr. Mahassen Mohamed Abdelhady Dr. Mariza Fouad Farag
Course co-coordinator:	Prof. Dr. Mahassen Mohamed Abdelhady
External evaluator:	
Date of Department Council Approval	15/5/2022
Date of Faculty Council Approval	5/2022

B. Statistical Information:

No. of students attending the course:

No. of students completing the course: \$

Exam Results

Passed No.: 4 percentage: % ' · · · Failed No.: 0 percentage: 0%

Grading of successful students (%):

A +	100	A	A-
\mathbf{B} +		В	В-
C +		C	C-
D +		D	D-

C. Professional Information:



Postgraduate Studies



1. Course teaching:

No.	Topics actually taught	
1.	Review of reaction orders.	
2.	Pharmacokinetics of oral administration.	
3.	Pharmacokinetics of oral administration.	
4.	Single IV drug administration and IV drug infusion.	
5.	Single IV drug administration and IV drug infusion.	
6.	Multiple administrations (IV and oral).	
7.	Area under the curve.	
8.	Bioavailability and bioequivalence.	
9.	Nonlinear Pharmacokinetics (e.g. Digoxin).	
10.	Nonlinear pharmacokinetics (e.g. Phenytoin).	
11.	Applied Pharmacokinetics of Theophylline and Cyclosporine.	

Topics taught as a percentage of the content specified:

√ > 90 %	70 - 90 %	< 70 %

Lecturers commitment of the course content:

√ > 90 %	70 - 90 %	< 70 %

Coverage of exam topics to course content:

√ > 90 %	70 - 90 %	< 70 %

2. Used teaching and Learning Methods:

2. Osed teaching and Learning Methods.
Lectures using Power Point (PPT) presentations
Lectures using whiteboard
Video-recorded lectures, uploaded to the University Portal for Online learning
Activities and tasks required to develop students' self-learning skills.
Tutorial, Class Activity and Group Discussion to explain what has not been understood
Interactive Sessions using Microsoft Teams
Internet search and Research Assignments to design Formative Assignments
Seminar / Workshop
Case study

3. Student Assessment:





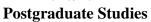
Postgraduate Studies

a. Method of Assessment	Percentage of total
Written examination	90%
Oral examination	10%

Written examination	90%		
Oral examination	10%		
b. Members of examination committee	00*		
1. course coordinator			
2, 00 41 50 4001 41 41 4001			
c. Role of external evaluator (If any):	:		
1. Revision of course contents, and sug	ggest new topics.		
4. Facilities and Teaching Materia	ıls		
Totally adequate	√ V		
Adequate to some extent			
Inadequate			
List any inadequacies:			
	<u>'</u>		
5. Administrative constraints			
List any difficulties encountered: non	ne		
6. Student evaluation of the course	e :		
List any criticisms and response of co			
criticisms			
none			
	ator(s) (if exists) and response of course team:		

Comment	Response







8. Course enhancement suggestions:

Progress on actions identified in the previous year's action plan:

Action	Completed	Not completed	Why not completed?
Self learning & encouraging students to search in subjects related to the course and discuss it with them	√		

Action Required	Person responsible	Completion Date
Self learning & encouraging students to search in subjects related to the course and discuss it with them	Course Coordinator	

Name		Signature
Course Coordinator	Prof. Dr. Mahassen Mohamed Abdelhady	
Head of Department	Prof. Dr. Irhan Ibrahim Abu Hashim	