



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 الماجستير في
العلوم الصيدلانية

تقرير مقرر

**Advanced Drug Delivery
Systems**

رئيس القسم

أ.د. ارهان إبراهيم ابو هاشم

منسق المقرر

أ.د. خيرى السيد جبر



University:

Faculty:

Department:

A. Basic Information

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	1. أ.د. خيرى السيد جبر. 2. أ.د. ارهان إبراهيم ابو هاشم.
Course co-coordinator:	ا.د. خيرى 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					
<u>Exam Results</u>					
Passed No.: 7		percentage: 87.5			
Failed No.: 1		percentage: 12.5			
Grading of successful students (%) :					
A+	57.14	A	14.29	A-	-
B+	-	B	14.29	B-	14.29
C+	-	C	-	C-	-
D+	-	D	-	D-	-

C. Professional Information:

1. Course teaching:

No.	Topics actually taught
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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 - 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:	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%



Oral examination	15%
Practical / laboratory work	-----
Semester Work	-----

b. Members of examination committee:

1. أ.د. خيرى السيد جبر
2. أ.د. ارهان إبراهيم ابو هاشم

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	√
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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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	√		

9. Action plan for academic year 2021 - 2022:

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 الصيدلانية

تقرير مقرر

أنظمة دوائية للتحكم في توصيل الدواء

رئيس القسم

أ.د. إرهان إبراهيم أبوهاشم

منسق المقرر

أ.م. د. مروه صلاح الدهان



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 presentations. Tutorial/Practical: -	
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					
<u>Exam Results</u>					
Passed No.: 8		percentage: 100%			
Failed No.: -		percentage: 0%			
Grading of successful students (%) :					
A+	87.5%	A	12.5%	A-	
B+		B		B-	
C+		C		C-	
D+		D		D-	



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:

√ > 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



	design formative assignments.
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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 found

6. Student evaluation of the course:

List any criticisms and response of course team

criticisms	response of course team
Not found	



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

Comment	Response
<i>The method of evaluation of students should be modified to include semester work.</i>	

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	√		

9. Action plan for academic year 2021 - 2022:

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

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

تقرير مقرر

stability and storage of dosage forms

رئيس القسم

أ.د. ارهان ابراهيم ابو هاشم

منسق المقرر

ا.د. حسن محمد حسن الصباغ



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					
<u>Exam Results</u>					
Passed No.:8			Percentage100%:		
Failed No.: -Zero			percentage:Zero		
Grading of successful students (%) :					
A+	25%	A	37.5%	A-	-
B+	12.5%	B	12.5%	B-	12.5
C+	-	C	-	C-	-



D+	-	D	-	D-	-
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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:

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



Other assignments / home work:

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-Prof. Dr. Hassan Mohammed Hassan Elsabagh
2. . Prof. Dr.Thana Mohammed AL saeed Borg

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	√
Adequate to some extent	
Inadequate	
List any inadequacies:	

5. Administrative constraints

List any difficulties encountered:

Not Present

6. Student evaluation of the course:

List any criticisms and response of course team



criticisms	response of course team
Appreciate the course	

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

Comment	Response
<i>Appreciate the course</i>	

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	√		

9. Action plan for academic year 2021 - 2022:

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	
Head of Department	Prof Dr.Irhan Ibrahim Abu Hasim	



Department of pharmaceutics

Program: Master Degree Program
Course: Pharmacokinetics

Code: (PTM-202)

Course Report

Academic year: 2020/2021
Second Semester

البرنامج

ماجستير الصيدلانيات

تقرير مقرر

حركية الدواء

Pharmacokinetics

رئيس القسم

أ.د. ارهان ابراهيم ابو هاشم

منسق المقرر

ا.د. محاسن محمد عبدالهادي



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 : 4					
No. of students completing the course: 4					
Exam Results					
Passed No.: 4		percentage: 100%			
Failed No.: 0		percentage: 0%			
Grading of successful students (%) :					
A+	100	A		A-	
B+		B		B-	
C+		C		C-	
D+		D		D-	

C. Professional Information:



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 %
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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 (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:



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

b. Members of examination committee:

1. course coordinator

c. Role of external evaluator (If any):

1. Revision of course contents, and suggest new topics.

4. Facilities and Teaching Materials

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

5. Administrative constraints

List any difficulties encountered: none

6. Student evaluation of the course:

List any criticisms and response of course team

criticisms	response of course team
none	

7. Comments from external evaluator(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.....	√		

9. Action plan for academic year 2021 - 2022:

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	