



Department of : Pharmaceutics

Program: Ph. D in Pharmaceutical Sciences
(specialization)

Course: Polymers
Code: (PTP-301)

Course Report

Academic year: 2020/2021
First Semester

البرنامج

دكتوراه العلوم الصيدلانية

تقرير مقرر

البوليمرات

رئيس القسم

أ.د. ارهان ابراهيم ابو هاشم

منسق المقرر

أ.د. أسامه عبدالعظيم سليمان



University: Mansoura

Faculty: Pharmacy

Department: Pharmaceutics

A. Basic Information

Course Title and code:	Polymers (PTP-301)
Program on which this course is given:	Ph.D. Program
Total Credit hours:	2
Lectures:	Tutorial/Practical:
Academic Level	Postgraduate
Academic year	2020/2021 - First 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:	Prof. Dr. Osama A. Soliman
External evaluator:	Prof. Dr. Yossri Elsaheed
Date of Department Council Approval	15/5/2022
Date of Faculty Council Approval	5/2022

B. Statistical Information:

No. of students attending the course : 2					
No. of students completing the course: 2					
Exam Results					
Passed No.: 2		percentage: 100%			
Failed No.: -		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.	Polymers introduction: Fundamentals of polymer structure.
2.	Classification of polymers.
3.	General characteristics of polymers.
4.	Main methods and processes to synthesis polymers.
5.	Polymers as rheology modifiers.
6.	Special properties of polymers, case studies and detailed examples of applications.

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:	Different case studies.
Other assignments / home work:	Internet search and Research assignments to design formative assignments.

3. Student Assessment:

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



Semester Work	-
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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 evaluator praises 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	√		

9. Action plan for academic year 2021 - 2022:

Action Required	Person responsible	Completion Date
Updating references and course contents.	Course coordinator	5/2021

	Name	Signature
Course Coordinator	Prof. Dr. Osama A. Soliman	
Head of Department	Prof. Dr Irhan Ibrahim Abu Hashim	



Department of: Pharmaceutics

Program: Ph. D in Pharmaceutical Sciences
(*specialization*)

Course: Radiopharmaceuticals
Code: (PTP-305)

Course Report

Academic year: 2020/2021
Second Semester

البرنامج

دكتور الفلسفة

تقرير مقرر

العناصر المشروعة

Radiopharmaceuticals

رئيس القسم

أ. د. إهان إبراهيم أبو هاشم

منسق المقرر

د. جبرمين نظير سلامة



University: Mansoura

Faculty: Pharmacy

Department: Pharmaceutics

A. Basic Information

Course Title and code:	Radiopharmaceuticals Code: (PTP-305)
Program on which this course is given:	Ph.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. Assoc.prof.Dr.Germeen Nazer 2. Dr Ghada Ahmed El-emam
Course co-coordinator:	Assoc.prof.Dr.Germeen Nazer
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: 2					
No. of students completing the course: 2					
<u>Exam Results</u>					
Passed No.: 2		percentage: 100%			
Failed No.: -		percentage: -			
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.	Introduction about radiation and radiopharmaceutical. Preparation and quality control of radiopharmaceuticals.
2.	Generators and equipment used for the production of radionuclides.
3.	The application of radiation and radioactive compounds in medical diagnosis and in industry.
4.	Official examples of radiopharmaceuticals and non-Official examples of radiopharmaceuticals.
5.	Rationale for dose calculation and unit utility. Biological effects of various radiations.

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:	Handout created by course co-coordinator Tutorial and group discussion to explain what has not been understood
Practical Training/ Laboratory:	-----
Seminar / Work shop:	-----
Class Activity:	Activities and tasks required to develop students' self-learning skills.
Case Study:	-----
Other assignments / home work:	Internet search and Research Assignments to 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. Assoc.prof.Dr.Germeen Nazer
2. Dr Ghada Ahmed El-emam

c. Role of external evaluator (If any):

1. Revise the course contents.
2. Suggest enhancement plan of the course.
3. Revise the 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 evaluator praises 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	√		

9. Action plan for academic year 2021 - 2022:

Action Required	Person responsible	Completion Date
Updating references and course content	Course Coordinator	6/2021

	Name	Signature
Course Coordinator	Assoc.prof.Dr.Germeen Nazer	
Head of Department	Prof. Dr Irhan Ibrahim Abu Hashim	



Department of : Pharmaceutics.

Program: Ph. D in Pharmaceutical Sciences
(*specialization*)

Course: Diffusion
Code: (PTP-303)

Course Report

Academic year: 2020/2021
Second Semester

البرنامج

الدكتوراه

تقرير مقرر

الإنتشار

Diffusion

رئيس القسم

أ.د. ارهان ابراهيم ابو هاشم

منسق المقرر

أ.م.د. إلهام عبد المنعم السعيد



University: Mansoura

Faculty: Pharmacy

Department: Pharmaceutics

A. Basic Information

Course Title and code:	Diffusion (PTP-303)
Program on which this course is given:	Ph.D
Total Credit hours:	2
Lectures: 2	Tutorial/Practical: -
Academic Level	Postgraduate
Academic year	2020/2021- second semester
Name of lecturers contributed to the delivery of this course	1. Dr.Elham Abdelmonem Mohamed 2. Dr. Amira Mohsen
Course co-coordinator:	Dr.Elham Abdelmonem Mohamed
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 : 2					
No. of students completing the course: 2					
<u>Exam Results</u>					
Passed No.: 2		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.	Diffusion and related processes. Diffusion and Dissolution
2.	Diffusion theories. the concepts of steady state, sink conditions, membrane, and diffusion control
3.	Diffusion Fick's law and applying to calculate diffusion rate, flux and permeability
4.	Procedures and apparatus for assessing the drug diffusion.
5.	Applications of diffusion in pharmaceuticals

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 %
----------	-----------	--------

Coverage of exam topics to course content:

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

Lectures:	√
Practical Training/ Laboratory:	
Seminar / Work shop:	√
Class Activity:	√
Case Study:	
Other assignments / home work:	

3. Student Assessment:

a. Method of Assessment	Percentage of total
Written examination	√
Oral examination	√
Practical / laboratory work	
Semester Work	



b. Members of examination committee:

1. Dr. Elham Abdelmonem Mohamed
2. Dr. Amira Mohsen

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

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
Updating references and course content	Course Coordinator	6/2021

	Name	Signature
Course Coordinator	Elham Abdelmonem Mohamed	
Head of Department	Prof. Dr Irhan Ibrahim Abu Hashim	



Department of: Pharmaceutics

Program: Ph. D in Pharmaceutical Sciences
(*specialization*)

Course: Granulation and compaction
Code: (PTP-302)

Course Report

Academic year: 2020/2021
First Semester

البرنامج

دكتور الفلسفة

تقرير مقرر

التحبيب والضغط

Granulation and compaction

رئيس القسم

ا.د. ارهان ابراهيم ابو هاشم

منسق المقرر

ا.د. ثناء محمد السعيد برج



University: Mansoura

Faculty: Pharmacy

Department: Pharmaceutics

A. Basic Information

Course Title and code:	Granulation and compaction Code: (PTP-302)
Program on which this course is given:	Ph.D. Program
Total Credit hours:	2
Lectures:	Tutorial/Practical:
Academic Level	Postgraduate
Academic year	2020/2021 - First semester
Name of lecturers contributed to the delivery of this course	1. Prof. Dr Thanaa Mohamed Elsaed Borg 2. Prof. Dr Irhan Ibrahim Abu Hashim
Course co-coordinator:	Prof. Dr Thanaa Mohamed Elsaed Borg
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: 2					
No. of students completing the course: 2					
<u>Exam Results</u>					
Passed No.: 2		percentage: 100%			
Failed No.: -		percentage: -			
Grading of successful students (%):					
A+	50%	A		A-	
B+		B	50%	B-	
C+		C		C-	
D+		D		D-	



C. Professional Information:

1. Course teaching:

No.	Topics actually taught
1.	Types of granulation techniques.
2.	Theory of granulation and compaction.
3.	Reasons for granulation.
4.	Significance of granulation and compaction in drug delivery systems.
5.	Influence of the granulation technique on the granulate properties.
6.	Pharmaceutical applications

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:

Lectures:	Lectures using Power Point (PPT) presentations
Practical Training/ Laboratory:	-----
Seminar / Work shop:	-----
Class Activity:	Activities and tasks required to develop students' self-learning skills.
Case Study:	-----
Other assignments / home work:	Internet search and Research Assignments to 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. Prof. Dr Thanaa Mohamed Elsaed Borg
2. Prof. Dr Irhan Ibrahim Abu Hashim

c. Role of external evaluator (If any):

1. Revise the course contents.
2. Suggest enhancement plan of the course.
3. Revise the 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 evaluator praises 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	√		

9. Action plan for academic year 2021 - 2022:

Action Required	Person responsible	Completion Date
Updating references and course content	Course Coordinator	5/2021

	Name	Signature
Course Coordinator	Prof. Dr. Thanaa Mohamed Elsaed Borg	
Head of Department	Prof. Dr Irhan Ibrahim Abu Hashim	