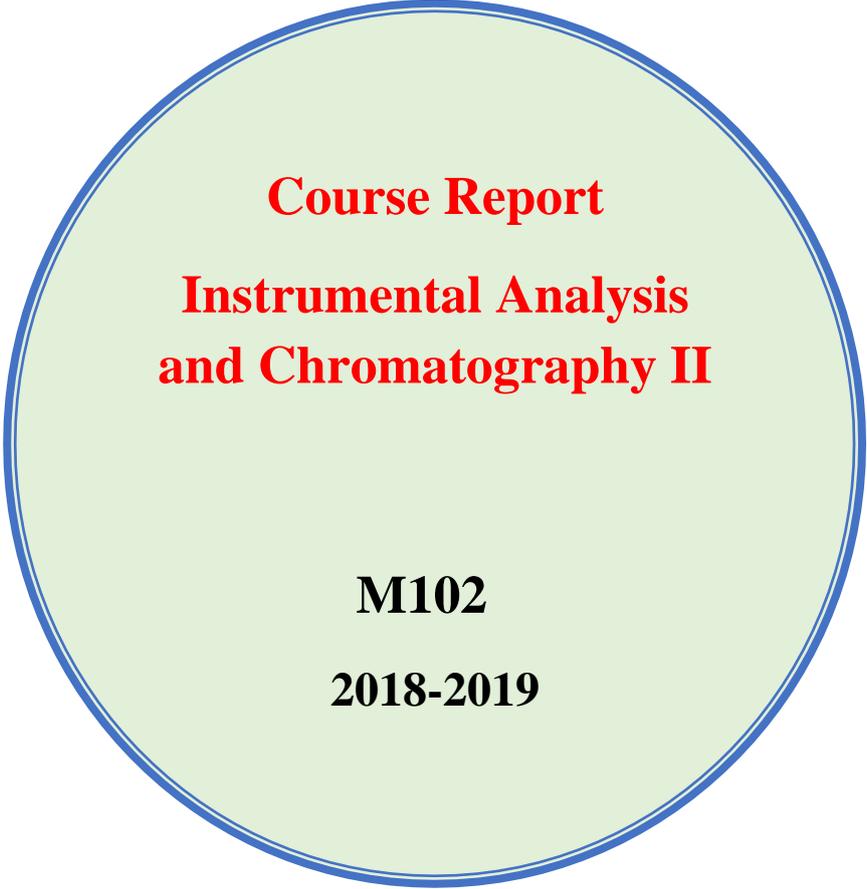


# **COURSE REPORTS**



**Pre-master courses**

**2018-2019**



**Course Report**  
**Instrumental Analysis  
and Chromatography II**

**M102**  
**2018-2019**

# Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Pharmaceutical Analytical chemistry

---

## A – Basic Information:

1- Title and Code: Instrumental Analysis and Chromatography II  
M102

2- Program(s) on which this course is given: Pre-Master

3- Year / Level of programs: Pre-Master

4- Credit hours: 4

Lectures	4 hrs/week
----------	------------

5- Names of lecturers contributing to the delivery of the course:

- Prof.Dr/ Hisham Ezzat
- Prof Dr/ Magda El Henawee
- Prof Dr/ Abdalla Shalaby

6- Course coordinator:

- Prof.Dr/Hisham Ezzat

7- External evaluator:

- Prof. Dr. Gamal Saleh (Assuit University)

## B- Statistical Information:

No. of students attending the course	No.26	100 %
--------------------------------------	-------	-------

Results:					
Passed	No. 22	91.67%	Failed	No.2	8.33%

No. of students completing the course	No.24	92.31%
---------------------------------------	-------	--------

Grading of successful students:					
Excellent	10	41.67%	Very Good	No.10	41.67%
Good	No.1	4.17%	Pass	No.1	4.17%

## **C- Professional Information:**

### **1- Course Teaching:**

<b>Topic</b>	<b>No of hours</b>	<b>Lecturers</b>
Introduction and classification of chromatographic methods, quantitative and qualitative TLC.	20	Prof.Dr/ Hisham Ezzat
Gas chromatography, HPLC, Electrophoresis. Polarography and voltametry	20	Prof Dr/ Magda El Henawee
UV spectrophotometry, Spectrofluorimetry, Atomic absorption spectrophotometry	20	Prof Dr/ Abdalla Shalaby

### **Topics taught as a percentage of the content specified:**

>90 %	√	70 – 90 %		<70%	
-------	---	-----------	--	------	--

- **Reasons in detail for not teaching any topics: -----**
- **If any topics were taught are not specified , give reasons in detail: -----**  
-----

### **2- Teaching and learning Methods:**

<b>Lectures:</b>	√
<b>Seminar / Workshop:</b>	√
<b>Case study:</b>	-
<b>Other assignment / homework:</b>	√

### 3- Student Assessment:

Method of Assessment	Percentage %
Written examination	75
Oral examination	15
Activity	10
Total	100

### Members of examination committee:

Prof.Dr/ Hisham Ezzat

Prof Dr/ Magda El Henawee

Prof Dr/ Abdalla Shalaby

### 4- Facilities and Teaching Materials:

Totally adequate	√
Adequate to some extent	
Inadequate	

### 5- Administrative Constraints: no constrain

### 6- Students Evaluation of the Course:

Students evaluation of the course	Response of course team
Practical sessions are required to carry out some experiments to clarify the theoretical content.	The department will discuss this suggestion.

### 7- Comments from external evaluator(s):

Comments from external evaluator	Response of course team
Other methods in addition to the previous teaching methods are required for increase the ability to solve problem e.g: practical analysis of drugs.	Evaluator's comments will be carefully considered.

### 8- Course Enhancement:

Action required	State whether or not complete and give reasons for any non-completion
Revision of the course with updating references used.	completed

### 9- Action plan for academic year 2019– 2020:

Action required	Completion date	Person responsible
Revision of the course content for the preparation of new post graduates by laws	2020	Course team

Course coordinator: Prof. Dr/ Hisham Ezzat

Head of Department:

2019/10/8 تم اعتماد التقرير في مجلس القسم بتاريخ بتاريخ



**Course Report**

**Physical Pharmacy**

**M103**

**2018/2019**

# Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Pharmaceutics

---

## A – Basic Information:

1- Title and code: Physical Pharmacy

M103

2- Program(s) on which this course is given: Pre-master

3- Year / Level of programs: Pre-master

4- Credit hours:

Lectures	2 hrs/week
----------	------------

5- Names of lecturers contributing to the delivery of the course:

- Prof. Dr/ Mahmoud Abdul-Ghany Mahdy
- Prof.Dr/ Hanaa El-Ghamry

6- Course coordinator:

- Prof. Dr/ Mahmoud Abdul Ghany

7- External evaluator:

- Prof. Dr. / Ali Abd Elzaher (Assuit University)

## B- Statistical Information:

No. of students attending the course	No.4	100 %
No. of students completing the course	No.4	100%

### Results:

Passed	No.4	100%	Failed	-	-
--------	------	------	--------	---	---

### Grading of successful students:

Excellent	No.1	100%	Very Good	3	--
Good	-	-	Pass	-	-

## C- Professional Information:

### 1- Course Teaching:

Topic	No of hours	Lecturers
Equilibrium phenomena, Complexation and protein binding, Surface and interfacial phenomena, Metal complexes	30	Prof. Dr/ Mahmoud Abdul-Ghany

&Organic molecular complexes.		Prof.Dr/Hanaa El-Ghamry
Occlusion compounds, Complexation and method of analysis, State of matter, Colligative properties of solutions, disperse system.	30	

### **Topics taught as a percentage of the content specified:**

>90 %	√	70 – 90 %		<70%	
-------	---	-----------	--	------	--

- Reasons in detail for not teaching any topics: -----
- If any topics were taught are not specified , give reasons in detail: -----  
-----

### **2- Teaching and learning Methods:**

Lectures:	√
Seminar / Workshop:	√
Case study:	-
Other assignment / homework:	√

### **3- Student Assessment:**

Method of Assessment	Percentage of total %
Written examination	75
Oral Exam	15
Activity	10

### **Members of examination committee:**

- Prof. Dr/ Mahmoud Abdul-Ghany Mahdy
- Prof.Dr/Hanaa El-Ghamry

### **4- Facilities and Teaching Materials:**

Totally adequate	√
Adequate to some extent	
Inadequate	

### **5- Administrative Constraints:** no constrain

### **6- Students Evaluation of the Course:**

Students evaluation of the course	Response of course team
-----------------------------------	-------------------------

Course content is update and gives an insight on different factors affecting formulation design	-
---	---

### 7- Comments from external evaluator(s):

Comments from external evaluator	Response of course team
References should be updated.	References are updated in the course specification 2019- 2020.

### 8- Course Enhancement:

Action required	State whether or not complete and give reasons for any non-completion
Continuous development of course content and learning materials	completed

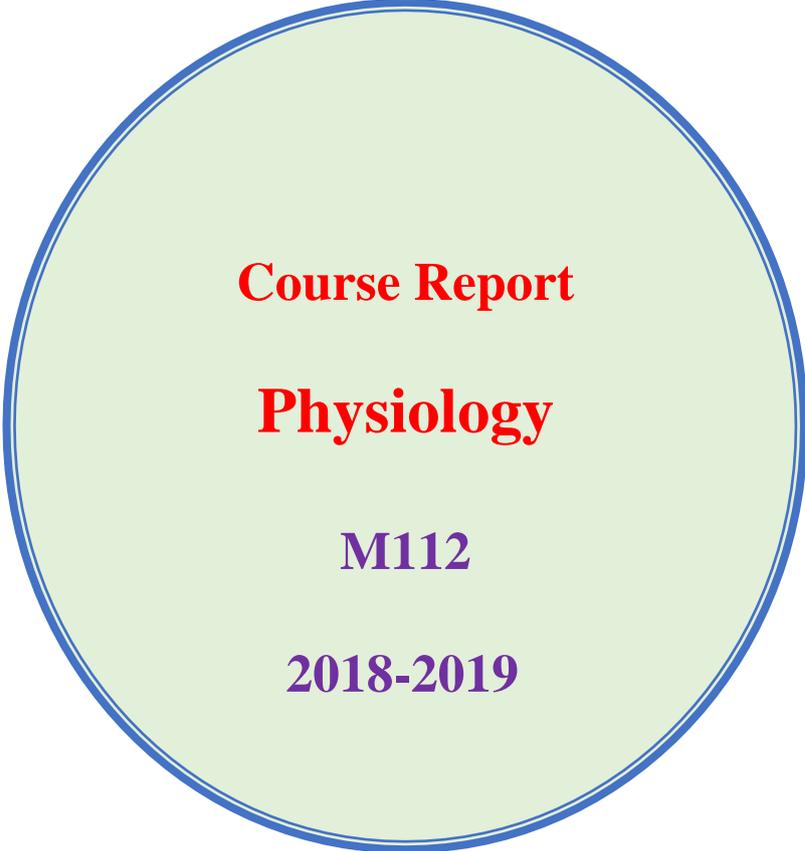
### 9- Action plan for academic year 2019– 2020:

Action required	Completion date	Person responsible
Discussion of articles demonstrating manipulation of drug physical properties for bioavailability enhancement	2019- 2020	Course coordinator

**Course Coordinator:** Prof. Dr/ Mahmoud Abdul Ghany

**Head of department:** Prof. Dr. / Nagia Ahmed El-Megrab

**Signature:**



**Course Report**

**Physiology**

**M112**

**2018-2019**

# Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Pharmacology and toxicology

---

## A – Basic Information:

1- Title and Code: Physiology M112

2- Program on which this course is given: Premaster

3- Year / Level of programs: Premaster

1- Credit hours: 2 hours

Lectures	2hr wk
----------	--------

5- Names of lecturers contributing to the delivery of the course:

- Prof.Dr/ Hany El-Bassossy
- Dr/ Shaimaa Samy
- Dr/ Noura Ahmed

6- Course coordinator:

- Prof.Dr/ HanyEl-Bassossy

7- External evaluator:

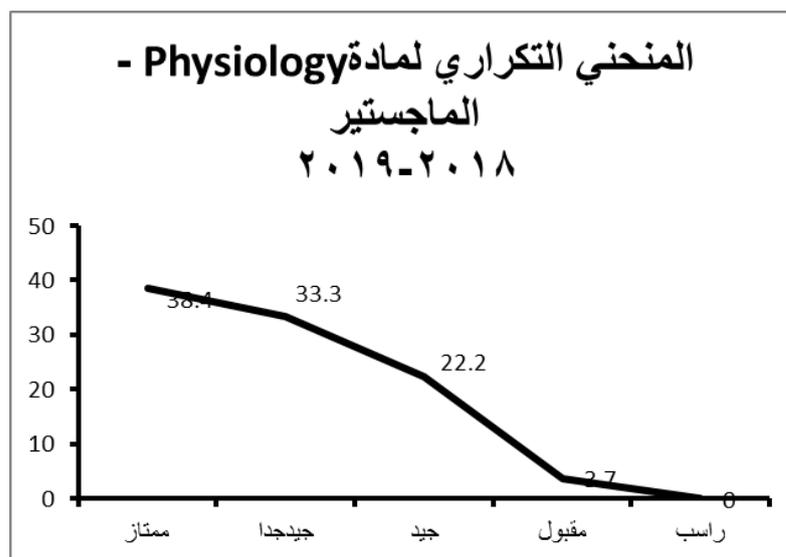
- Prof-Dr: Sameh El-Nabtiti

## B- Statistical Information:

No. of students attending the course:	No. 27	100%
No. of students completing the course:	No. 27	100%

Results:					
Passed	No.26	96.3%	Failed	No.1	3.7%

Grading of successful students:					
Excellent	No.10	38.4%	Very Good	No.9	33.3%
Good	No.6	22.2%	Pass	No.1	3.7%



## **C- Professional Information:**

### **1- Course Teaching:**

<b>Lecture contents (2hrs/week)</b>	<b>No. of hours</b>	<b>Teaching staff</b>
Nerve & Muscle	2	Prof.Dr./ Hany El-Bassossy
Autonomic Nervous System 1 (Sympathetic nervous system)	2	Dr./ Shimaa Samy
Autonomic Nervous System 2 (Parasympathetic nervous system)	2	Dr./ Shimaa Samy
Cardiovascular System 1 (Structure, functions and properties of the heart)	2	Prof.Dr./ Hany El-Bassossy
Cardiovascular System 2 (Heart rate, cardiac output and blood pressure)	2	Prof.Dr./ Hany El-Bassossy
Central Nervous System 1 (Structure of brain and spinal cord)	2	Dr./ Shimaa Samy
Central Nervous System 2 (Reflexes and pain)	2	Dr./ Shimaa Samy
Kidney (Structure, function and urine formation)	2	Dr./ Shimaa Samy
Respiratory System (Structure and functions of the lung, mechanism of breathing) Activity (Review article-Presentation)	2	Dr./Noura Ahmed
GIT (Functions of gastric secretions and neuro-hormonal regulation)	2	Dr./Noura Ahmed

Endocrine System 1 (Hypothalamus, thyroid, parathyroid glands)	2	Dr./Noura Ahmed
Endocrine System 2 (Adrenal gland and endocrine pancreas)	2	Dr./Noura Ahmed
Blood physiology (Functions of blood cells and clotting mechanisms)	2	Prof.Dr./ Hany El- Bassossy
Membrane physiology (Structure and functions)	2	Prof.Dr./ Hany El- Bassossy

**Topics taught as a percentage of the content specified:**

>90 %	√	70 – 90 %		<70%	
-------	---	-----------	--	------	--

- Reasons in detail for not teaching any topic: -----
- If any topics were taught which are not specified, give reasons in detail: -----  
-----

**2- Teaching and learning Methods:**

<b>Lectures:</b>	√
<b>Seminar / Workshop:</b>	√
<b>Case study:</b>	-
<b>Other assignment / homework:</b>	√

If teaching and learning methods were used other than those specified, list and give reasons: -----

**3- Student assessment:**

Method of Assessment	Percentage of total %
<b>Written examination</b>	75
<b>Oral exam</b>	15
<b>Activity</b>	10

**Members of examination committee:**

- Prof.Dr/ Hany El-Bassossy
- Dr/ ShaimaaSamy
- Dr/Noura Ahmed

#### 4- Facilities and Teaching Materials:

Totally adequate	√
Adequate to some extent	
Inadequate	

#### 5- Administrative Constraints: None

#### 6- Students Evaluation of the Course:

Students evaluation of the course	Response of course team
The students was satisfied about the course	-----

#### 7- Comments from external evaluator(s):

Comments from external evaluator	Response of course team
The course is well designed and the outcomes are clear	-----

#### 8- Course Enhancement:

Action required	State whether or not complete and give reasons for any non-completion
Continuous development of course content to cope with program ILOS and labour market needs.	continuous

#### 9- Action plan for academic year 2019-2020:

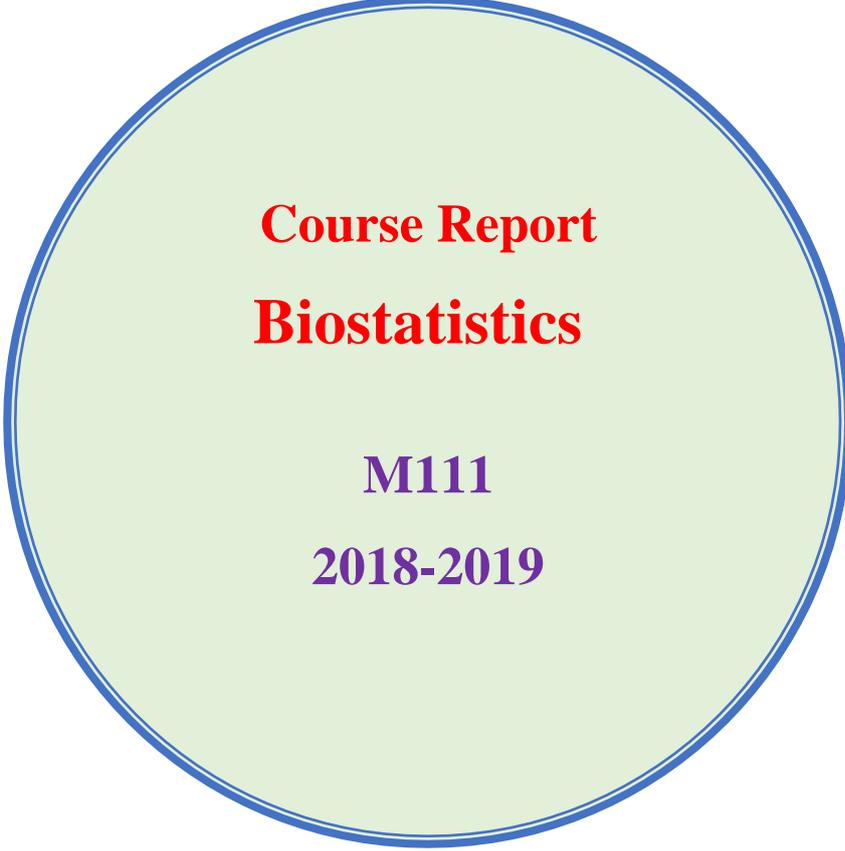
Action required	Completion date	Person responsible
Revision of course content, updating of learning materials	----	-----

**Course Coordinator:** Prof.Dr / Hany El-Bassossy

**Head of Department:** Prof. Dr. Mona Fouad

**Signature:**

**Date: September 2019**



**Course Report**  
**Biostatistics**

**M111**  
**2018-2019**

## Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Pharmacology and toxicology

### A – Basic Information:

- 1) **Title and Code:** Biostatistics **M 111**
- 2) **Program on which this course is given:** Pre-master
- 3) **Year / Level of programs:** Pre-master
- 4) **Credit hours: 2 hours**

Lectures	2hr/wk
----------	--------

5) **Names of lecturers contributing to the delivery of the course:**

- Prof.Dr/ Hany Elbassosy
- Dr/Noura Ahmed

6) **Course coordinator:** Prof.Dr/ Hany Elbassosy

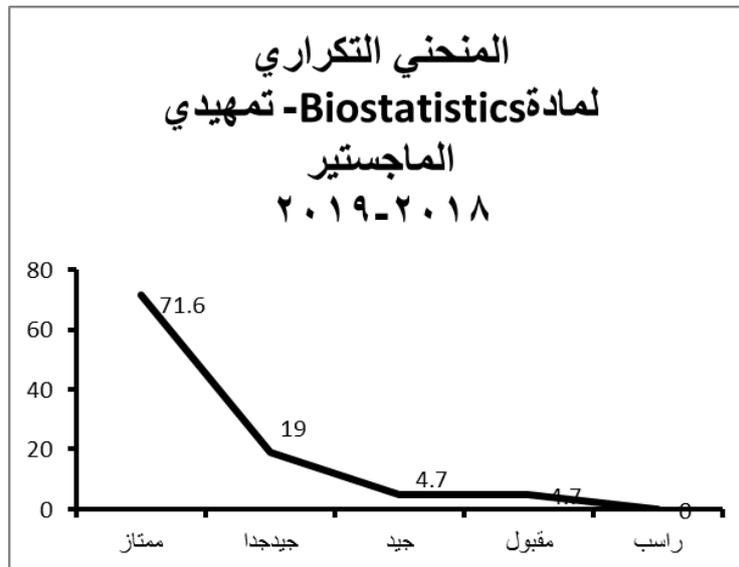
7) **External evaluator:** Prof-Dr: El-Sayed Kamel

### B- Statistical Information:

No. of students attending the course:	No. 35	100%
No. of students completing the course:	No. 21	60 %

<b>Results:</b>					
Passed	No.21	100%	Failed	-	-

<b>Grading of successful students:</b>					
Excellent	No.15	71.6%	Very Good	No.4	19%
Good	No.1	4.7%	Pass	No.1	4.7%



## **C- Professional Information:**

### **1- Course Teaching:**

Course Contents	No. of hours	Lecturers
General principle of biostatistics 1	15	<ul style="list-style-type: none"> <li>• Dr/Noura Ahmed</li> </ul>
General principle of biostatistics 2		
Presentation of data		
Descriptive statistics		
Measures of central tendency		
Measures of variability		
Normal frequency distribution curve		
Probability	15	<ul style="list-style-type: none"> <li>• Prof.Dr/ Hany El-Bassossy</li> </ul>
Comparing of two means- Problem solving activity		
Comparing of more than two means		
Chi square test		
Regression and correlation analysis		
Complex analysis		
Criteria of good experimental design		
Revision		

### **Topics taught as a percentage of the content specified:**

>90 %	√	70 – 90 %		<70%	
-------	---	-----------	--	------	--

- **Reasons in detail for not teaching any topic: -----**

- If any topics were taught which are not specified, give reasons in detail: -----

-----

## 2- Teaching and learning Methods:

Lectures:	√
Seminar / Workshop:	√
Case study:	-
Other assignment / homework:	√

- If teaching and learning methods were used other than those specified, list and give reasons: -----

## 3- Student assessment:

Method of Assessment	Percentage of total %
Written examination	75
Oral exam	15
Activity	10

## Members of examination committee:

- Prof. Dr/ Hany El-Bassossy
- Dr/Noura Ahmed

## 4- Facilities and Teaching Materials:

Totally adequate	√
Adequate to some extent	
Inadequate	

## 5- Administrative Constraints:

None

## 6- Students Evaluation of the Course:

Students evaluation of the course	Response of course team
The students was satisfied about the course	-----

## 7- Comments from external evaluator(s):

Comments from external evaluator	Response of course team
The course is well designed and the outcomes are clear	-----

## 8- Course Enhancement:

Action required	State whether or not complete and give reasons for any non-completion
Activating the new evaluation methods by including oral exam & activities in the student assessment methods.	completed
Measurement of the course ILOS	completed
Continuous development of course content to cope with program ILOS and labour market needs.	continuous

## 9- Action plan for academic year 2019-2020:

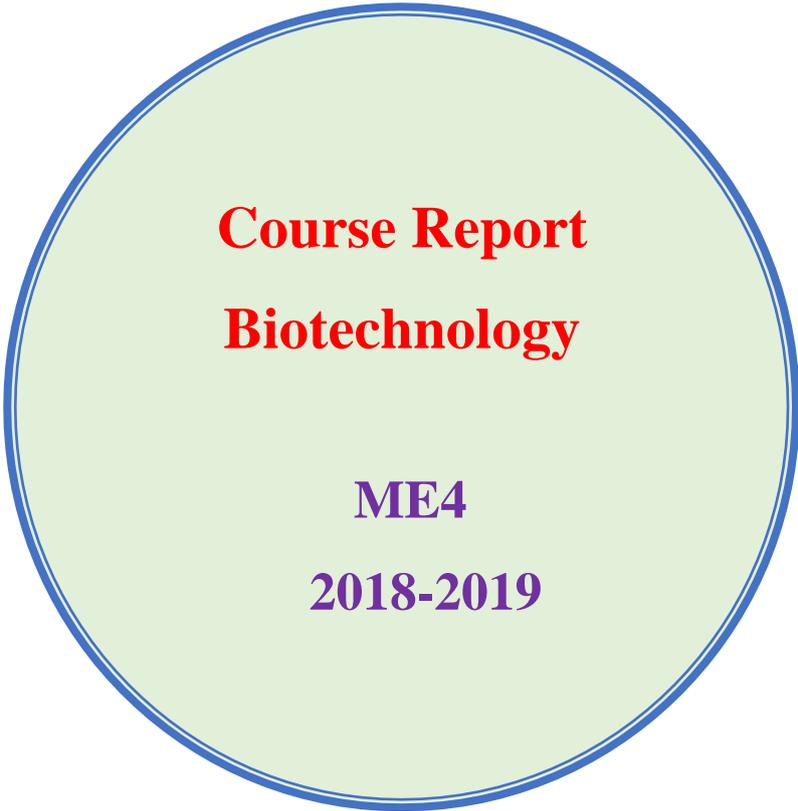
Action required	Completion date	Person responsible
Continuous course revision and development	2019-2020	Course instructors

- **Course Coordinator: Prof. Dr/ Hany El-Bassossy**
- **Head of department: Pro. Dr/ Mona Fouad**

**Signature:**

3/12/2019:

**Date**



**Course Report**  
**Biotechnology**

**ME4**  
**2018-2019**

## Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Biochemistry

---

### A – Basic Information:

1- Title and Code: Biotechnology ME4

2- Program(s) on which this course is given: Premaster

3- Year / Level of programs: Premaster

4-Units / Credit hours: 4 hours

Lectures	4 hrs/week
----------	------------

5- Names of lecturers contributing to the delivery of the course:

• Prof. Dr / Mohamed Elseweidy (Biochemistry department)

• Prof. Dr / AShraf kadry (Microbiology department)

Course coordinator: Prof. Dr/ Mohamed Mahmoud ElSeweidy

External evaluator: Prof. Dr/ Ola Ali

### B- Statistical Information:

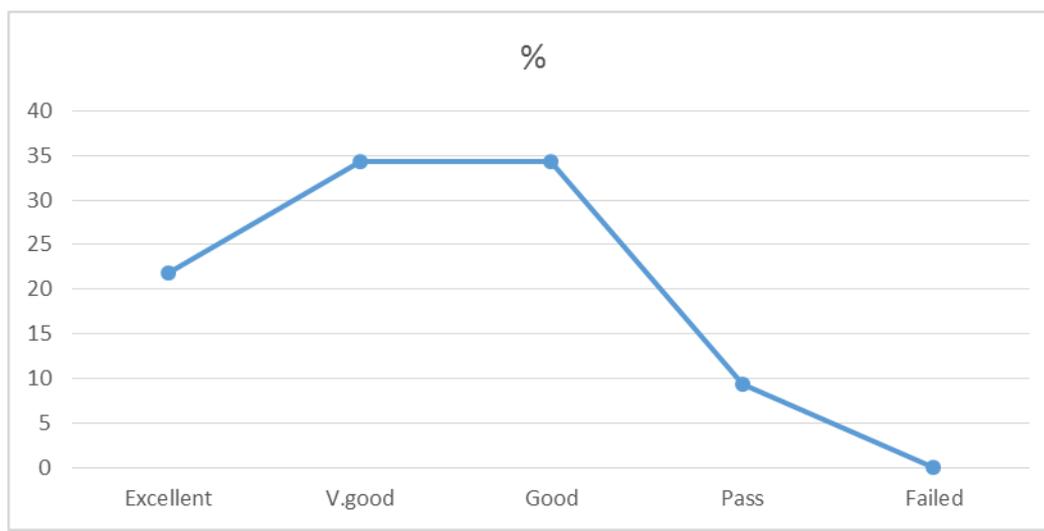
No. of students attending the course	no.40	100 %
No. of students completing the course	no.32	80 %

#### **Results:**

Passed	No. 32	100 %	Failed	No. 0	0%
--------	--------	-------	--------	-------	----

#### **Grading of successful students:**

Excellent	No. 7	21.875%	Very Good	No. 11	34.375%
Good	No. 11	34.375%	Pass	No. 3	9.375%



## **C- Professional Information:**

### **1- Course Teaching:**

<b>Topic</b>	<b>No. of hours</b>	<b>Lecturers</b>
<ul style="list-style-type: none"> <li>• Introduction to Biotechnology, Bioprocess, Downstream processing, Cell culture, Hybridoma technology.</li> <li>• Medical biotechnology.</li> <li>• Medicine from cultured cells</li> <li>• DNA Recombination &amp; Application of genetic engineering.</li> </ul>	30	Prof. Dr/ Mohamed El-Seweidy
<ul style="list-style-type: none"> <li>• Principle of PCR technology and gene amplification.</li> <li>• Applications and advances in PCR.</li> <li>• Monoclonal antibody- technology production</li> <li>• Pharmaceutically useful monoclonal antibodies</li> <li>• Vaccine preparations</li> </ul>	30	Prof. Dr / AShraf Kadry

### **Topics taught as a percentage of the content specified:**

>90 %	√	70 – 90 %		<70%	
-------	---	-----------	--	------	--

- **Reasons in detail for not teaching any topics:** -----
- **If any topics were taught are not specified , give reasons in detail:** -----  
-----

## 2- Teaching and learning Methods:

Lectures:	√
Seminar / Workshop:	√
Case study:	-
Other assignment / homework:	√

- If teaching and learning methods were used other than those specified, list and give reasons: -----

## 3- Student Assessment:

Assessment method	Marks	Percentage
• Activity	10	10 %
• Written exam	75	75 %
• Oral exam	15	15 %
<b>TOTAL</b>	<b>100</b>	<b>100%</b>

## Members of examination committee:

- Prof. Dr / Mohamed Mahmoud Elseweidy
- Prof. Dr / Ashraf kadry

## 4- Facilities and Teaching Materials:

Totally adequate	√
Adequate to some extent	
Inadequate	

## 5- Administrative Constraints: -----

## 6- Students Evaluation of the Course:

Students evaluation of the course	Response of course team
<ul style="list-style-type: none"> <li>• The course content should be matched with the determined time.</li> <li>• The course content should be presented simply and clearly.</li> </ul>	<p>The time will be considered.</p> <p>The course content will be presented simply.</p>

## 7- Comments from external evaluator(s):

Comments from external evaluator:	Response of course team
The course content should encourage	Holding open discussions

thinking skills instead of dependent memorizing.	between students to increase interaction.
--	---

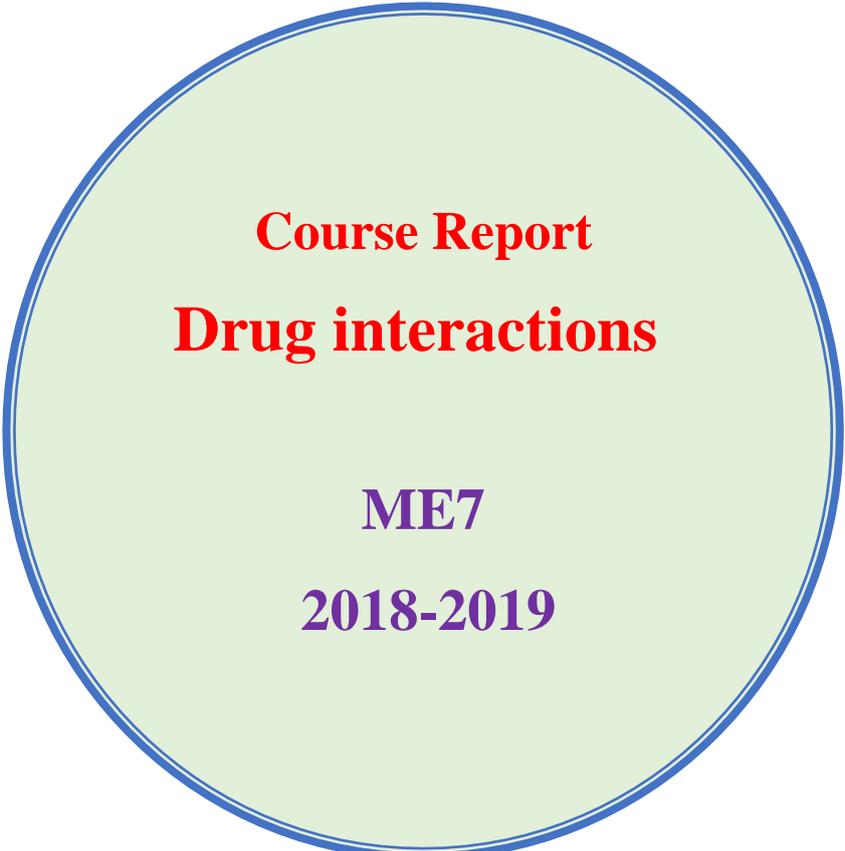
### 8- Course Enhancement:

Action	State whether or not completed and give reasons for any non completion
-Continuous development of course content to cope with program ILOS.	Completed
-Textbooks and references need to be updated	Completed

### 9- Action plan for academic year 2019– 2020:

Action required	Completion date	Person responsible
The course content should be matched with the determined time. The course content should be presented simply and clearly.	<b>2019– 2020</b>	Course coordinator &Course team

- **Course Coordinator:** Prof. Dr / Mohamed Mahmoud Elseweidy
- **Head of department:** Prof. Dr./ Sahar Elswefy
- **Date:** 2019/9/23 تم مناقشته واعتماده بمجلس القسم بتاريخ



**Course Report**  
**Drug interactions**

**ME7**

**2018-2019**

# Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Pharmacology and Toxicology

## A – Basic Information:

- 1) Title and Code: Drug interactions ME7
- 2) Program on which this course is given: Premaster
- 3) Year / Level of programs: Premaster
- 4) Credit hours: 4 hours

Lectures	4hr/wk
----------	--------

### 5) Names of lecturers contributing to the delivery of the course:

- Ass.Prof.Dr./ Shaimaa El-Shazly
- Dr./ Shaimaa Samy
- Dr/Noura Ahmed

### 6) Course coordinator:

- Ass.Prof.Dr. / Shaimaa El-Shazly

### 7) External evaluator:

- Prof.Dr/Sameh Elnabti

## B- Statistical Information:

No. of students attending the course:	No. 32	100%
No. of students completing the course:	No. 32	100 %

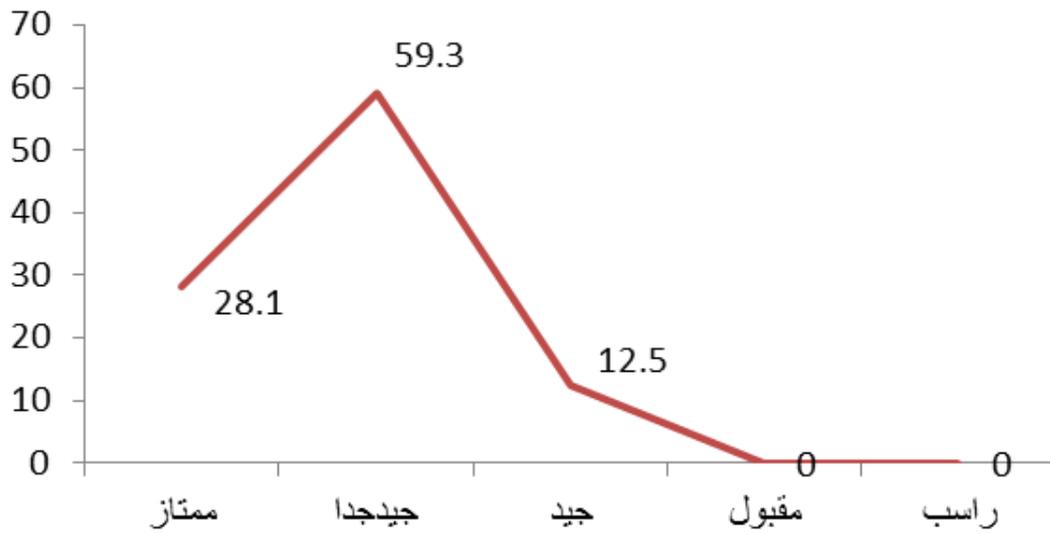
### Results:

Passed	No.32	100%	Failed	-	-
--------	-------	------	--------	---	---

### Grading of successful students:

Excellent	No.9	28.1%	Very Good	No.19	59.3%
Good	No.4	12.5%	Pass	-----	---

المنحني التكراري لمادة Drug  
interaction- تمهيدي الماجستير  
٢٠١٨-٢٠١٩



## **C- Professional Information:**

### **1- Course Teaching:**

<b>Topic</b>	<b>No of hours</b>	<b>Lecturers</b>
Overview of drug interactions	20	Dr. / ShaimaaSamy
Mechanisms of drug interactions		
Management of drug interactions		
- Drug-food and drug-herb interaction		
- Drug interaction of CNS acting agents		
- Drug interaction of antibiotics	20	Ass.Prof.Dr. / Shaimaa El-Shazly
- Drug interaction of antibiotics		
- Drug interaction of CVS acting agents-1		
-Case study		
- Drug interaction of CVS acting agents-2		
- Drug interaction of respiratory system –acting agents		
- Drug interaction of GI tract acting agents	20	Dr/Noura Ahmed
- Drug interaction of agents used for kidney disorders		
- Drug interaction of endocrine system- acting agents		
- Drug interaction of agents used for obesity and anemia		
-Revision		

### **Topics taught as a percentage of the content specified:**

>90 %	√	70 – 90 %		<70%	
-------	---	-----------	--	------	--

- Reasons in detail for not teaching any topic: -----
- If any topics were taught which are not specified, give reasons in detail: -----  
-----

### **2- Teaching and learning Methods:**

Lectures:	√
Seminar / Workshop:	-
Case study:	√
Other assignment / homework:	√

If teaching and learning methods were used other than those specified, list and give reasons: -----

### **3- Student assessment:**

Method of Assessment	Percentage of total %
Written examination	75
Oral exam	15
Activity	10

### **Members of examination committee:**

- Ass.Prof.Dr. / Shaimaa El-Shazly
- Dr./ ShaimaaSamy
- Dr/Noura Ahmed

### **4- Facilities and Teaching Materials:**

Totally adequate	√
Adequate to some extent	
Inadequate	

**5- Administrative Constraints:** None

### **6- Students Evaluation of the course:**

Students evaluation of the course	Response of course team
The student was satisfied about the course	

## 7- Comments from external evaluator(s):

Comments from external evaluator	Response of course team
Course content is good and adequate	-----

## 8- Course Enhancement:

Action required	State whether or not complete and give reasons for any non-completion
Activating the new evaluation methods by including oral exam & activities in the student assessment methods.	completed

## 9- Action plan for academic year 2019-2020:

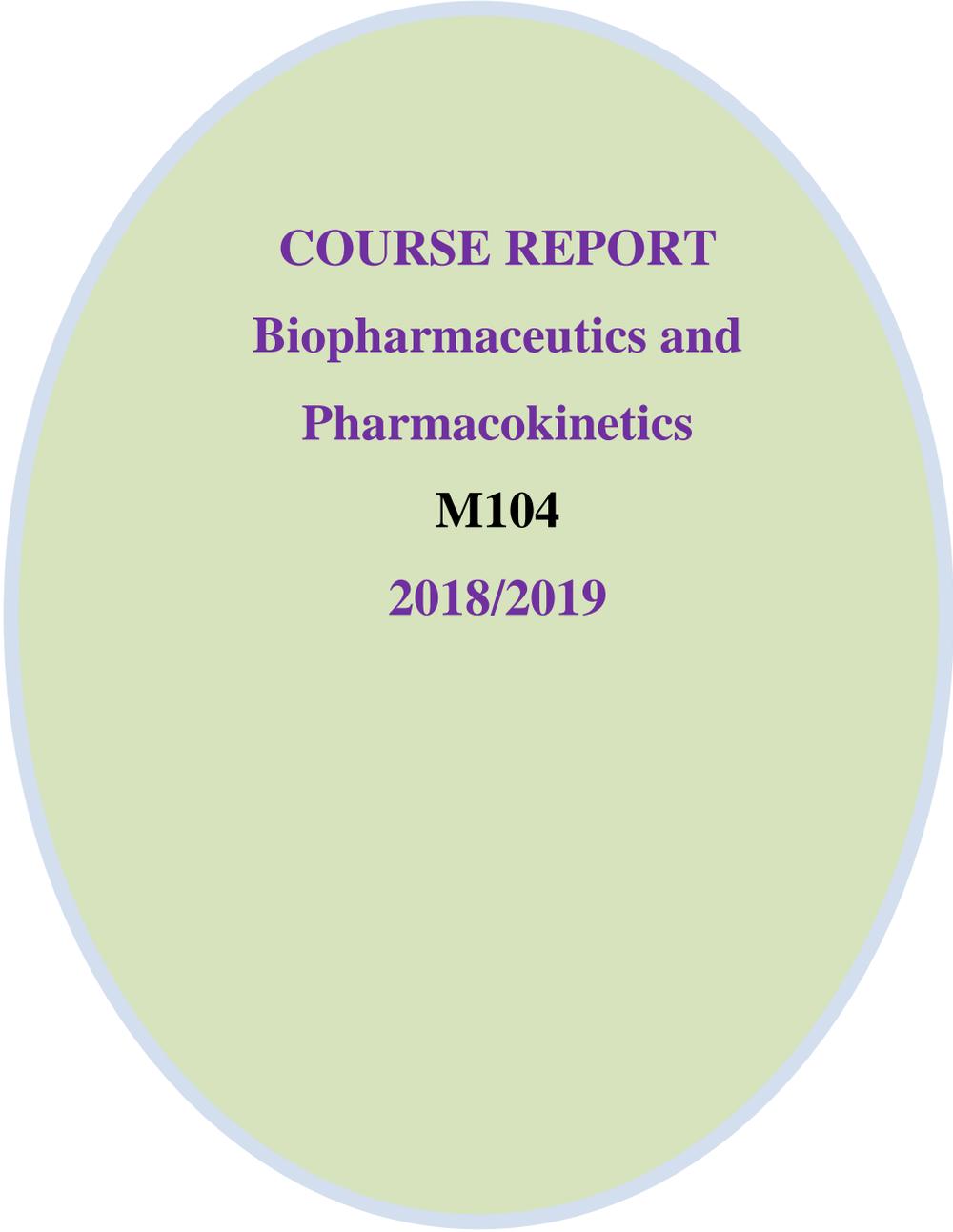
Action required	Completion date	Person responsible
Training of examination committee for development of written exam structure to cover ILOS	2019– 2020	Course coordinator & head of department
Measurement of the course ILOS	2019– 2020	Course coordinator & head of department
Continuous development of course content to cope with program ILOS and labour market needs.	2019– 2020	Course coordinator & head of department

**Course Coordinator:** Ass.Prof.Dr. / Shaimaa El-Shazly

**Head of Department:** Prof.Dr. / Mona Fouad

**Signature:**

**Date:**



**COURSE REPORT**  
**Biopharmaceutics and**  
**Pharmacokinetics**  
**M104**  
**2018/2019**

# Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Pharmaceutics

---

## A – Basic Information:

1- Title and code: Biopharmaceutics and Pharmacokinetics

M104

2- Program(s) on which this course is given: Pre-master

3- Year / Level of programs: Pre-master

4- Credit hours:

Lectures	2 hrs/week
----------	------------

5- Names of lecturers contributing to the delivery of the course:

- Prof. Dr/ Fakhr El-Din Soliman Ghazy
- Dr/ Mohamed Waly

6- Course coordinator:

- Prof. Dr/ Fakhr El-Din Soliman Ghazy

7- External evaluator:

- Prof. Dr. / Ali abd El zaher (Assuit University)

## B- Statistical Information:

No. of students attending the course	No.4	100 %
--------------------------------------	------	-------

Results:					
Passed	No.4	100%	Failed	--	--
No. of students completing the course		No.4	100%		

Grading of successful students:					
Excellent	N0.1	25 %	Very Good	3	75%
Good	---	---	Pass	---	---

## C- Professional Information:

### 1- Course Teaching:

Topic	No of hours	Lecturers
-------	-------------	-----------

Factors affecting bioavailability (biological and physiological) Physicochemical factors, advantages and disadvantages of oral administration.	15	Prof. Dr/ Fakhr El-Din Soliman
Distribution and factors affecting it.		
Elimination , biotransformation, and urinary excretion .		
Minor routes of drug elimination		
Use of physical and animal models to evaluate bioavailability.	15	Dr/ Mohamed Waly
Review on bioequivalence study through revision of certain scientific research papers.		
Pharmacokinetic models, volume of distribution, and total body clearance.		
Problems in determination of bioavailability of urine and saliva sample.		
Loading dose, steady state, lag time, and flip-flop.		
Method of residuals, therapeutic drug monitoring, and dosage regimen design.		
Pharmacokinetic parameters.		
Kidney and liver function tests.		
Haemodialysis.		
Revision and open discussion.		

**Topics taught as a percentage of the content specified:**

>90 %	√	70 – 90 %		<70%	
-------	---	-----------	--	------	--

- Reasons in detail for not teaching any topics: -----
- If any topics were taught are not specified , give reasons in detail: -----  
-----

**2- Teaching and learning Methods:**

Lectures:	√
Seminar / Workshop:	√
Case study:	-
Other assignment / homework:	√

**3- Student Assessment:**

Method of Assessment	Percentage of total %
Written examination	75
Oral Examination	15
Activity	10

#### Members of examination committee:

- Prof. Dr/ Fakhr El-Din Soliman Ghazy
- Dr/ Mohamed Waly

#### 4- Facilities and Teaching Materials:

Totally adequate	√
Adequate to some extent	
Inadequate	

#### 5- Administrative Constraints: no constrain

#### 6- Students Evaluation of the Course:

Students evaluation of the course	Response of course team
Good content gives an insight on bioavailability of drugs and different factors affecting drug kinetics	-

#### 7- Comments from external evaluator(s):

Comments from external evaluator	Response of course team
The course needs some refining and update.	References are updated and course will include activities in course specification 2019- 2020.

#### 8- Course Enhancement:

Action required	State whether or not complete and give reasons for any non-completion
Update course learning materials	completed

#### 9- Action plan for academic year 2019– 2020:

Action required	Completion date	Person responsible
-----------------	-----------------	--------------------

Revision of course content and addition of research articles demonstrating modification of drug formulation and hence change of drug pharmacokinetics	2019 - 2020	Course coordinator
---	-------------	--------------------

**Course Coordinator:** Prof. Dr/ Fakhr El-Din Soliman Ghazy

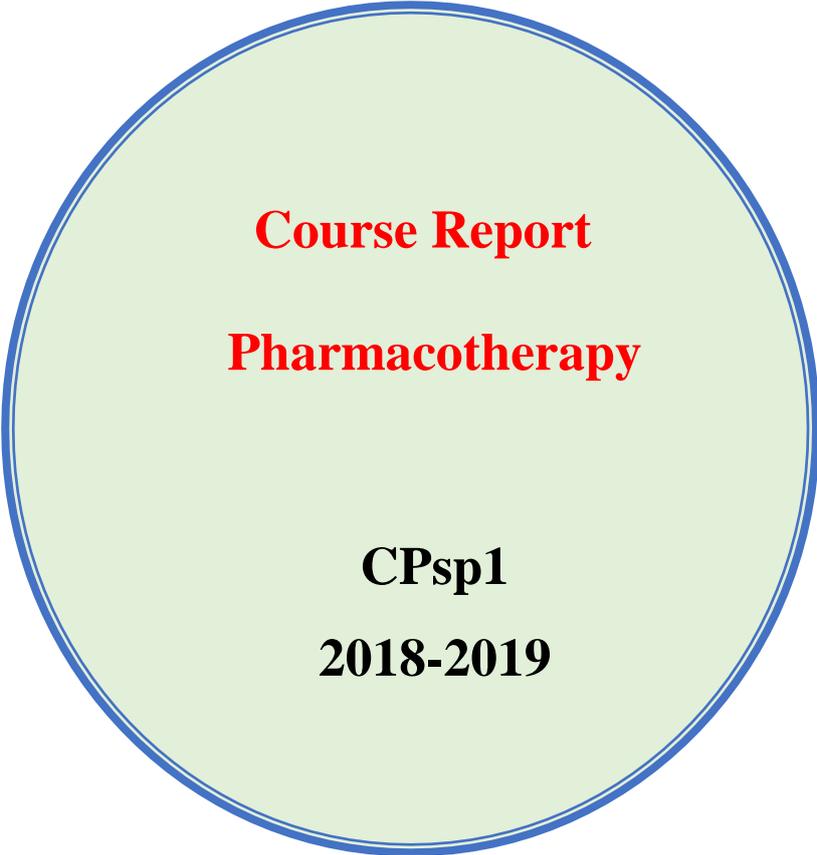
**Head of department:** Prof. Dr. / Nagia Ahmed El-Megrab

**Signature:**



**Master courses**

**2018-2019**



**Course Report**

**Pharmacotherapy**

**CPsp1**

**2018-2019**

# **Annual Course Report**

**University:** Zagazig

**Faculty:** Pharmacy

**Department:** Pharmacology and toxicology

---

## **A – Basic Information:**

**1- Title and Code:** Pharmacotherapy CPsp1

**2- Program(s) on which this course is given:** Master

**3- Year / Level of programs:** Master

**4- Credit hours:** -----

<b>Lectures</b>	4hr/wk
-----------------	--------

**5- Names of lecturers contributing to the delivery of the course:**

- Prof.Dr. / Ahmed Fahmy
- Dr. / Noura Ahmed

**6- Course coordinator:**

- Prof-Dr: Ahmed Fahmy

**7- External evaluator:**

Prof. Gamal El-Maghrabi (Head of Pharmaceutics department – Faculty of Pharmacy – Tanta University)

- **B- Statistical Information:**

<b>No. of students attending the course</b>	No.2	100 %
<b>No. of students completing the course</b>	No.2	100%

**Results:**

Passed	No.2	100%	Failed	-	-
--------	------	------	--------	---	---

**Grading of successful students:**

Excellent	No.2	100	Very Good	-	-
Good	-	-	Pass	-	-

**C- Professional Information:**

**1- Course Teaching:**

Week number	Lecture contents (4hrs/week)	Number of hours	Lecturers
1	GIT diseases GERD Peptic ulcer	30	Prof.Dr./Ahmed Fahmy
2	Upper GIT bleeding Inflammatory bowel disease		
3	Complication of liver disease Nausea and vomiting		
4	Pancreatitis Activity (seminar)		
5	Diarrhea Constipation Irritable bowel syndrome		
6	Upper and lower respiratory diseases Supportive lung disease	30	Dr. / Noura Ahmed
7	COPD		
8	Pleural effusion		
9	Interstitial lung disease Activity (review article)		
10	Tumors of lung		
11	Pulmonary embolism		
12	Cardiovascular diseases Hypertension		
13	Heart failure Student presentation		
14	Acute coronary syndrome		
15	Final exam		

### **Topics taught as a percentage of the content specified:**

>90 %	√	70 – 90 %		<70%	
-------	---	-----------	--	------	--

- **Reasons in detail for not teaching any topic: -----**
- **If any topics were taught which are not specified, give reasons in detail: -----**

### **1- Teaching and learning Methods**

<b>Lectures:</b>	√
<b>Seminar / Workshop:</b>	√
<b>Case study:</b>	-
<b>Other assignment / homework:</b>	√

- If teaching and learning methods were used other than those specified, list and give reasons: -----

### 3- Student assessment:

Method of Assessment	Percentage of total %
Written examination	75
Oral exam	15
Activity	10

### Members of examination committee:

- Prof.Dr. / Ahmed Fahmy
- Dr. / Noura Ahmed

### 4- Facilities and Teaching Materials:

Totally adequate	√
Adequate to some extent	
Inadequate	

### 5- Administrative Constraints:

None

### 6- Students Evaluation of the Course:

Students evaluation of the course	Response of course team
Giving cases study is required to clarify the course content.	The department will discuss these suggestions.

### 7- Comments from external evaluator(s):

Comments from external evaluator	Response of course team

The course is well designed and learning outcomes are clear and measurable	-
--	---

### 8- Course Enhancement:

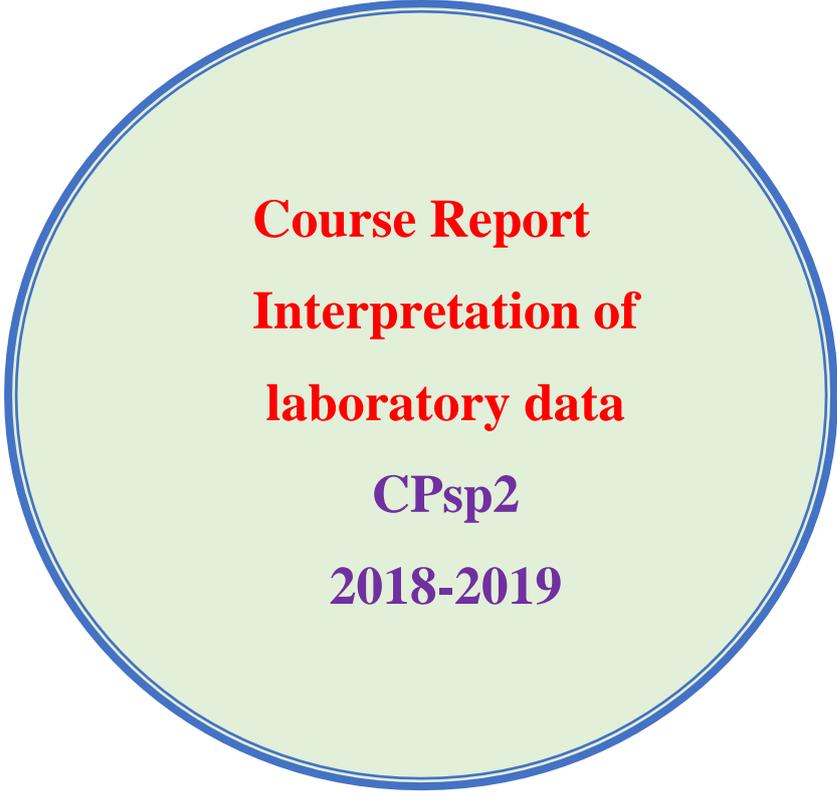
Action required	State whether or not complete and give reasons for any non-completion
updating the reference materials	This was completed

### 9- Action plan for academic year 2019- 2020:

Action required	Completion date	Person responsible
Update teaching methods and increase case studies	2019- 2020	Course coordinator
Continuous development of course content to cope with international courses	2019- 2020	Course coordinator & head of department

**Course Coordinator:** Prof.Dr. / Ahmed Fahmy

**Head of Department:** Prof. Dr. Mona Fouad



**Course Report**  
**Interpretation of**  
**laboratory data**

**CPsp2**

**2018-2019**

# Course report of interpretation of clinical laboratory data

**University:** Zagazig

**Faculty:** Pharmacy

**Department:** Pharmacy practice

## A- Basic Information:

1. Title and code: Interpretation of clinical laboratory data (CPsp2)
2. Program on which this course is given: Master of Pharmaceutical Sciences  
(Pharmacy practice)
3. Year/ Level of program: Master degree
4. Units/Credit hours:

Lectures	4hrs/week	hours	Credit	4hrs/week	Total	4hrs/week
----------	-----------	-------	--------	-----------	-------	-----------

5. Names of lecturers contributing to the delivery of the course

i Prof. Dr. Hoda Elsayed

ii Prof. Dr. Rawia Sarhan

Course co-ordinator: Prof. Dr. Hoda Elsayed Mohamed

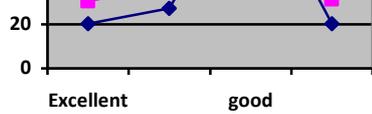
External evaluator: **Prof. Dr/ Ola Ali**

## B- Statistical Information:

<i>No. of students attending the course:</i>	<i>No.</i>	1	<i>%</i>	100
<b>No. of students completing the course:</b>	<i>No.</i>	1	<i>%</i>	100

Results:

<i>Passed:</i>	<i>No.</i>	1	<i>%</i>	100	<i>Failed:</i>	<i>No.</i>	<i>%</i>		
Grading of successful students:									
<i>Excellent:</i>	<i>No.</i>	1	<i>%</i>	100	<i>Very Good:</i>	<i>No.</i>	<i>%</i>		
<b>Good :</b>	<i>No.</i>		<i>%</i>		<i>Pass:</i>	<i>No.</i>	<i>%</i>		



**C- Professional Information:**

**1 - Course teaching**

Topics actually taught	No. of hours	Lecturer
Fluid management	4	Prof. Dr. Hoda Elsayed Mohamed
Osmolality, Hypertonic saline	8	
Hypotonic intravenous fluids, hyponatremia and hypo-osmolal states	8	
Hypernatremia and hyperosmolal states	4	
Disorders of K <sup>+</sup>	4	Prof. Dr. Rawia Sarhan
Disorders of magnesium and phosphorus homeostasis	8	
Disorders of calcium homeostasis	4	
Enteral and parenteral nutrition	8	

Topics taught as a percentage of the content specified:

>90%       70-90%       <70%

Reasons in detail for not teaching any topic

.....

If any topics were taught which are not specified, give reasons in detail

**2- Teaching and learning methods:**

Lectures	<input type="text" value="**"/>
Practical training/ laboratory:	<input type="text" value="-"/>
Seminar/Workshop:	<input type="text" value="**"/>
Class activity:	<input type="text" value="-"/>
Case Study:	<input type="text" value="**"/>

Other assignments/homework:

The students were asked to write a review about the reasons of hypo & hypernatremia in addition to the causes of magnesium disorders.

If teaching and learning methods were used other than those specified, list and give reasons:

**3- Student assessment:**

<b>Assessment method</b>	<b>Marks</b>	<b>Percentage</b>
<b>Activity</b>	10	10%
<b>Written exam</b>	75	75%
<b>Oral exam</b>	15	15%
<b>TOTAL</b>	100	100%

Members of examination committee:

- Written exams preparation: Prof. Dr. Hoda Elsayed , Prof. Dr. Rawia Sarhan

- Oral exam: Prof. Dr. Hoda Elsayed , Prof. Dr. Rawia Sarhan

**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:  
team**

**Response of course**

List any criticisms

- Students are satisfied about the course

-----

**7- Comments from external evaluator(s):  
team**

**Response of course**

- The course was well designed

-----

**8- Course enhancement:**

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

<i>Action</i>	<b>State whether or not completed and give reasons for any non-completion</b>
induction of course activity	completed

**9- Action plan for academic year 2019 - 2020**

Actions required  
responsible

Completion date

Person

1- Update the course references

2020

Course coordinator

Course coordinator:

Signature: Prof. Dr. Hoda Elsayed

Date: 23 / 9 / 2019



**Course Report**

**Advanced and Clinical  
Pharmacokinetic**

**CPsp3**

**2018-2019**

# Course Report of Advanced and Clinical Pharmacokinetic

University: Zagazig

Faculty: Pharmacy

Department: Pharmacy practice

## Course Report

### A- Basic Information

1. Title and code: Advanced and Clinical Pharmacokinetic (CPsp3)
2. Programme(s) on which this course is given: pharmacy practice-master degree
3. Year/ Level of programme: pharmacy practice-master degree –special course
4. Units/Credit hours:

Lectures

Total

5. Names of lecturers contributing to the delivery of the course

i Prof. Hanaa Abd El-Fattah El-Ghamry

ii Dr. Mohamed wally

Course co-ordinator: Prof Hanaa Abd El-Fattah El-Ghamry

**External evaluator:** Prof. Gamal ElMagharabi– Pharmaceutics –Tanta University

### B- Statistical Information

No. of students attending the course:

No.

No. of students completing the course:

No.

Results:

Passed: No.  %

Failed: No.  %

Grading of successful students:

Excellent: No.  %

### C- Professional Information

#### 1 - Course teaching

Week number	Lecture contents (4hrs/week)	Staff member
1	Drug dosing in special populations:	Prof. Hanaa ElGhamri

	<p>- Renal and hepatic disease</p> <p>- Dialysis</p>	
2	<p>Drug dosing in special populations:</p> <ul style="list-style-type: none"> <li>➤ heart failure</li> <li>➤ obesity</li> <li>➤ drug interactions</li> </ul>	
3	<p><b>Drug monograph of phenytoin</b></p> <p>Therapeutic plasma concentration</p> <p>Toxic concentration</p> <p>Pharmacokinetic parameters</p>	
4	TDM of phenytoin	
5	<p><b>Drug monograph of Lithium</b></p> <p>Therapeutic plasma concentration</p> <p>Toxic concentration</p> <p>Pharmacokinetic parameters</p>	
6	TDM of lithium	
7	<p><b>Drug monograph of Methotrexate</b></p> <p>Therapeutic plasma concentration</p> <p>Toxic concentration</p> <p>Pharmacokinetic parameters</p>	Assis Prof. Mohamed Wali
8	TDM of methotrexate	
9	<p><b>Drug monograph of Tacrolimus</b></p> <p>Therapeutic plasma concentration</p> <p>Toxic concentration</p> <p>Pharmacokinetic parameters</p>	
10	TDM of Tacrolimus (Student case presentation)	
11	<p><b>Drug monograph of some selected antibiotics</b></p> <p>Therapeutic plasma concentration</p> <p>Toxic concentration</p>	

	Pharmacokinetic parameters	
<b>12</b>	Therapeutic drug monitoring	
<b>13</b>	<b>Drug monograph of Digoxin</b> Therapeutic plasma concentration Toxic concentration Pharmacokinetic parameters	
<b>14</b>	TDM of digoxin <b>(Student case presentation)</b>	

Topics taught as a percentage of the content specified:

>90%       70-90%       <70%

1- Teaching and learning methods:

Lectures:	<input type="text" value="**"/>
Practical training/ laboratory:	<input type="text" value="-"/>
Seminar/Workshop:	<input type="text" value="-"/>
Class activity:	<input type="text" value="**"/>
Case Study:	<input type="text" value="-"/>

2- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="75"/>
Oral examination	<input type="text" value="15"/>
Activity	<input type="text" value="10"/>
Other assignments/class work	<input type="text" value="-"/>
Total	100 %

Members of examination committee

1-prof. Hanaa abd ELfattah EL ghamry

2- Dr / Mohamed wally

3- Facilities and teaching materials:

Totally adequate	<input type="text" value="-"/>
Adequate to some extent	<input type="text" value="**"/>
Inadequate	<input type="text" value="-"/>

List any inadequacies

-

4- Student evaluation of the course:

They were satisfied about the course content

5- Comments from external evaluator(s):

Re-phrasing of course aim and intended learning outcomes

6- Course enhancement:

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

<i>Action</i>	<b>State whether or not completed and give reasons for any non-completion</b>
<b>Continuous review and update of course content</b>	Completed

7- Action plan for academic year 2019 - 2020

<i>Actions required</i>	<i>Completion date</i>	<b>Person responsible</b>
<b>Re-phrasing course ILOs</b>	Sep 2019	Course coordinator

Course coordinator:

Signature: Prof . Hanaa Abd El-Fattah El-Ghamry

Date:                    /        /