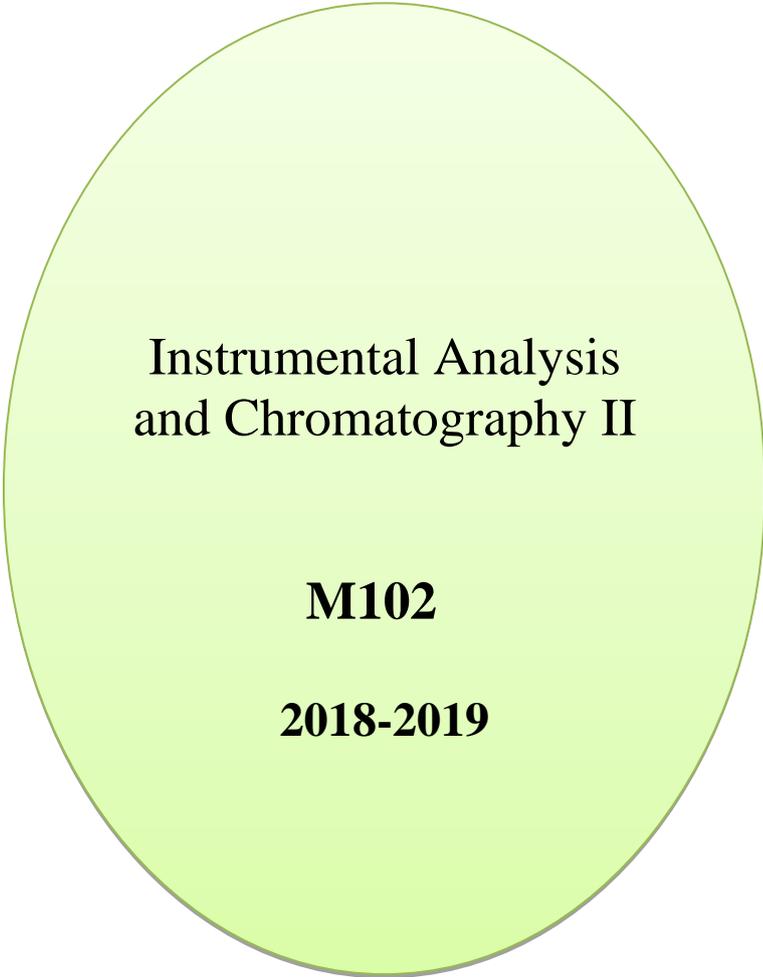


# **COURSE REPORTS**



**Pre-master  
courses**

**2018-2019**



Instrumental Analysis  
and Chromatography II

**M102**

**2018-2019**

# Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Pharmaceutical Analytical chemistry

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## 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
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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 %
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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%	
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- **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>	√
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### 3- Student Assessment:

Method of Assessment	Percentage %
Written examination	75
Oral examination	15
Activity	10
<b>Total</b>	<b>100</b>

### 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

**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
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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:

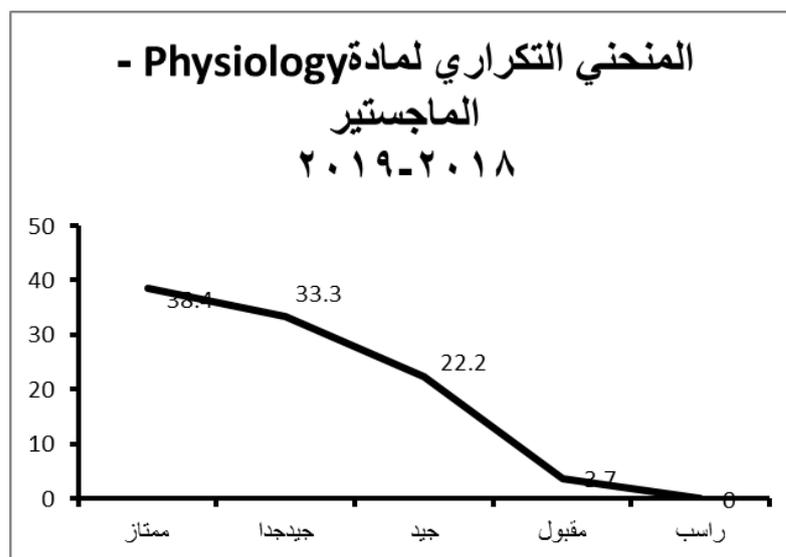
- Prof-Dr: Sameh El-Nabtiti

## 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%	
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- 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:

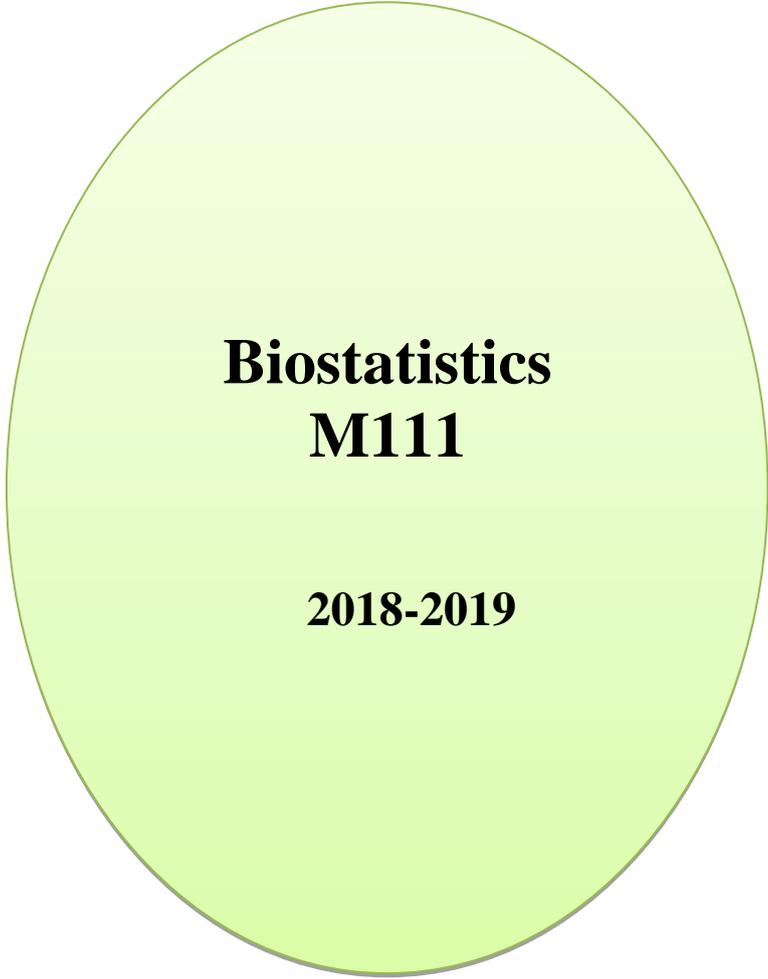
Action required	Completion date	Person responsible
Revision of course content, updating of learning materials	----	-----

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

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

**Signature:**

**Date: September 2019**



**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
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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

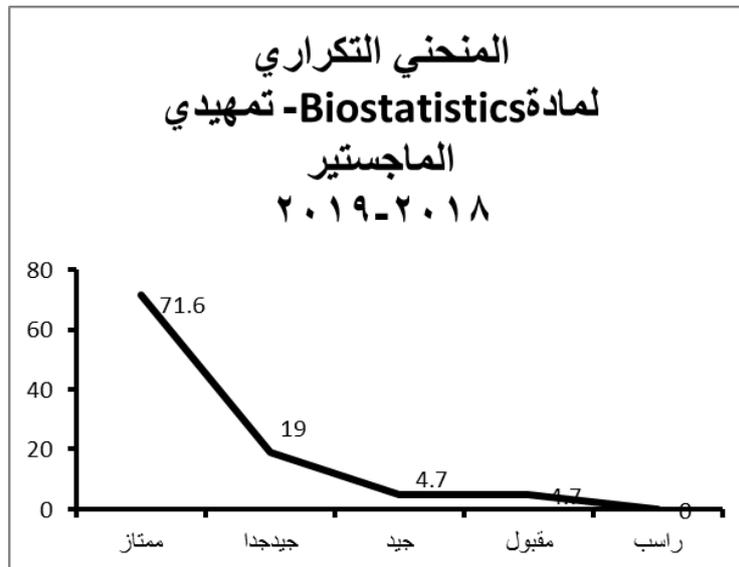
7) **External evaluator:** Prof-Dr: El-Sayed Kamel

### 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%	
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- 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:

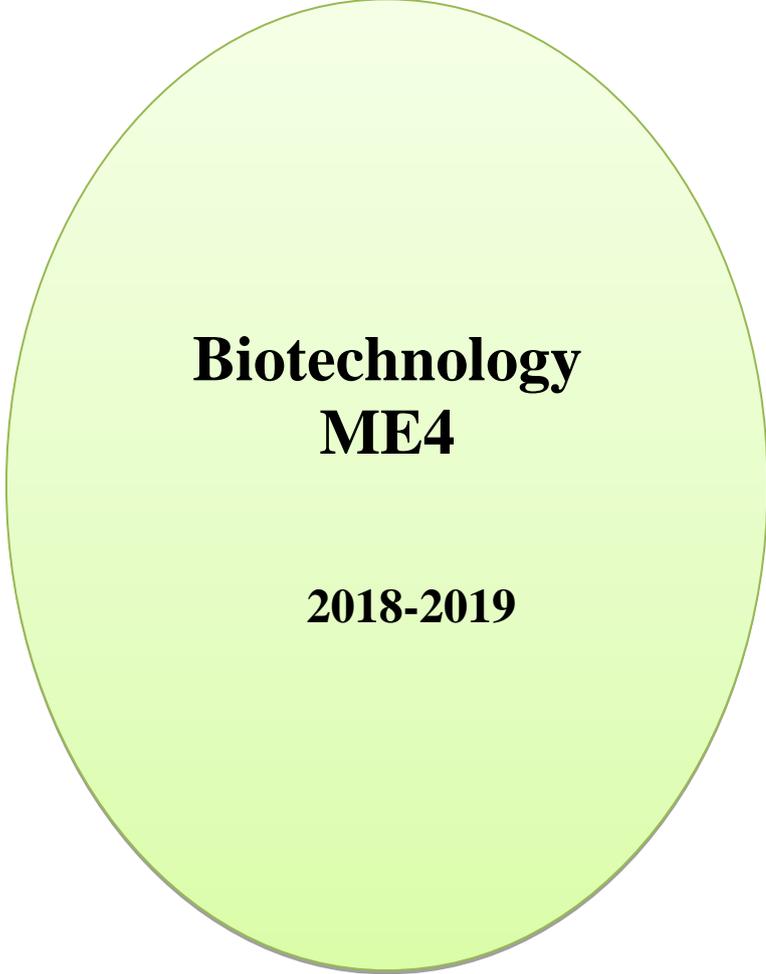
Action required	Completion date	Person responsible
Continuous course revision and development	2019-2020	Course instructors

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

**Signature:**

3/12/2019:

**Date**



**Biotechnology**  
**ME4**

**2018-2019**

## Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Biochemistry

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### 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:

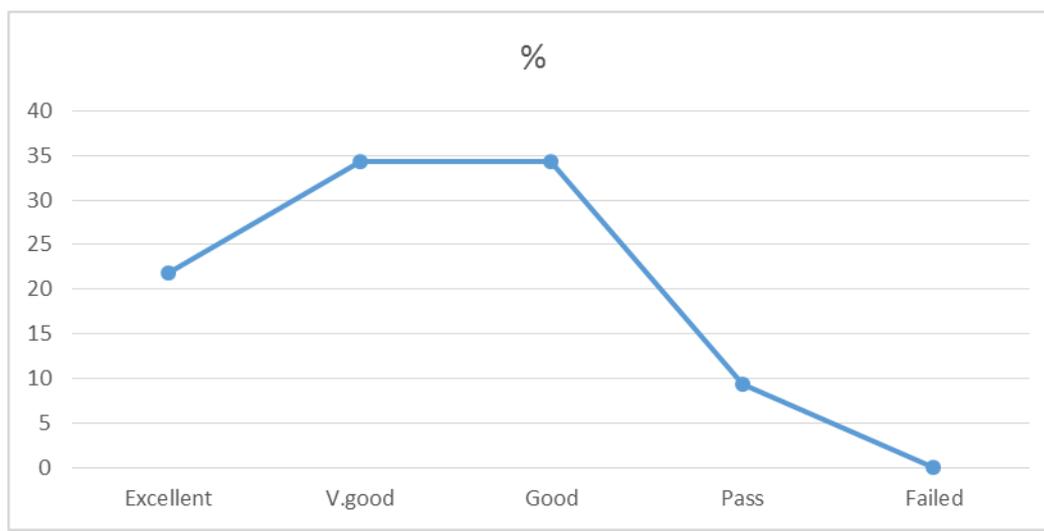
No. of students attending the course	no.40	100 %
No. of students completing the course	no.32	80 %

#### **Results:**

Passed	No. 32	100 %	Failed	No. 0	0%
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#### **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.
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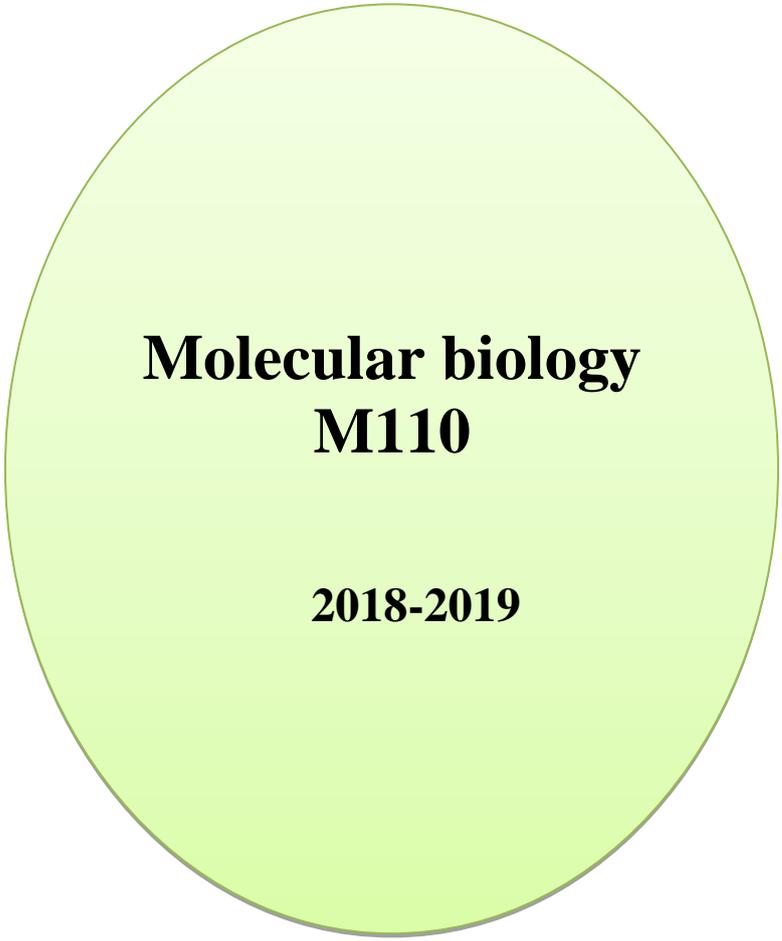
### 8- Course Enhancement:

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



**Molecular biology**  
**M110**

**2018-2019**

# Annual Course Report

University: Zagazig  
Department: Biochemistry

Faculty: Pharmacy

## A – Basic Information:

1. **Title and Code:** Molecular Biology M110
2. **Program(s) on which this course is given:** Premaster
3. **Year / Level of programs:** Premaster
4. **Units / Credit hours: 4 hours**

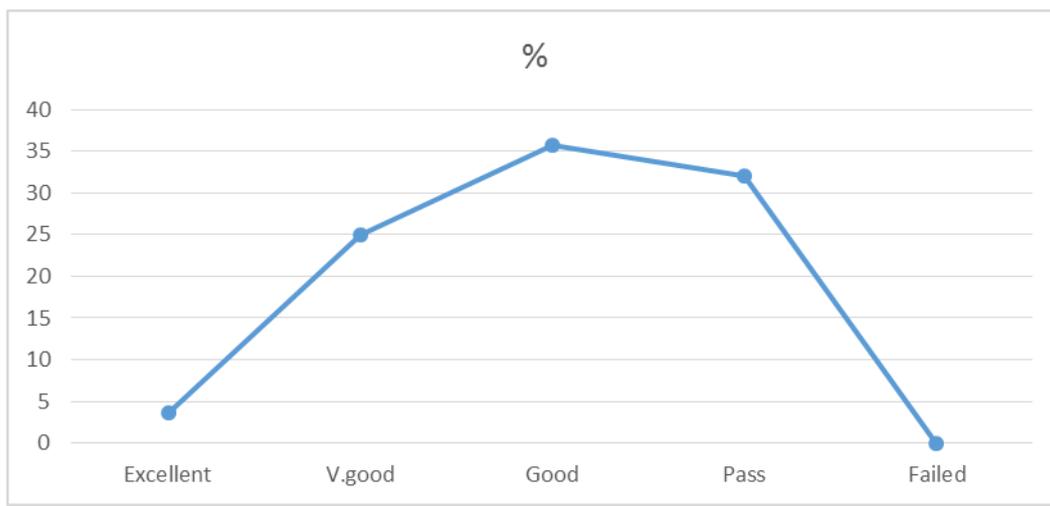
Lectures	4 hrs/week
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5. **Names of lecturers contributing to the delivery of the course:**
  - Prof. Dr/ Mohamed El-Seweidy (Biochemistry department)
  - Prof. Dr/ Fathy serry (Microbiology & Immunology department)
6. **Course coordinator:**
  - Prof. Dr/ Fathy serry
  - Prof. Dr/ Mohamed El-Seweidy
7. **External evaluator:**
  - Prof. Dr/ Ola Ali

## B- Statistical Information:

No. of students attending the course	no.38	100 %
No. of students completing the course	no.28	73.68 %

<b>Results:</b>					
Passed	No. 27	96.43 %	Failed	No. 1	3.57%
<b>Grading of successful students:</b>					
Excellent	No. 1	3.57%	Very Good	No. 7	25%
Good	No. 10	35.71%	Pass	No. 9	32.15%



## **C- Professional Information:**

### **1-Course teaching:**

<b>Topic</b>	<b>No of hours</b>	<b>Lecturers</b>
<ul style="list-style-type: none"> <li>• DNA structure, DNA replication steps, RNA ribosomal, transfer, messenger</li> <li>• Transcription steps of prokaryotic genes</li> <li>• Analysis of cloned products (southern, northern, western).</li> </ul>	30	- Prof. Dr/ Fathy serry
<ul style="list-style-type: none"> <li>• Genetic code, Wobble hypothesis, Protein synthesis.</li> <li>• Recombinant DNA, Stem cells, human cloning.</li> <li>• PCR application, LCR.</li> <li>• RFLP, Prenatal diagnosis, Diagnosis of sickle cell disease.</li> </ul>	30	Prof. Dr/ Mohamed ElSeweidy

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

>90 %	√	70 – 90 %		<70%	
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- **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:

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/ Fathy serry

## 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
The course content should be matched with the determined time .	The time will be considered.
The course content should be presented simply and clearly.	The course content will be presented simply.

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

Comments from external evaluator:	Response of course team
The course content should encourage thinking skills instead of dependent memorizing.	Holding open discussions 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
<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>	<b>2019– 2020</b>	Course coordinator & Course team

**Course Coordinator: Prof. Dr/ Mohamed Mahmoud ElSewedy & Prof. Dr. Fathy serry**

**Head of department: Prof.Dr. / Sahar Elswefy**

تم مناقشته واعتماده بمجلس القسم بتاريخ 2019/9/23

**Date:**



**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 ME6
- 2) Program on which this course is given: Premaster
- 3) Year / Level of programs: Premaster
- 4) Credit hours: 4 hours

Lectures	4hr/wk
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### 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 %

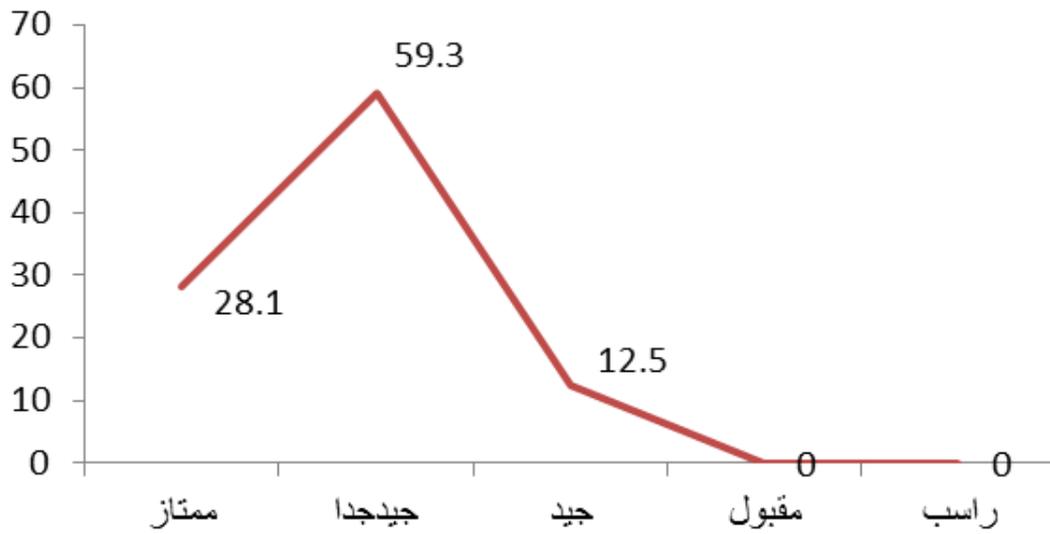
### Results:

Passed	No.32	100%	Failed	-	-
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### 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:**



**Master courses**

**2018-2019**

**Course Report of**

**Advanced  
Biochemistry**

**2018-2019**

## Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Biochemistry

### A – Basic Information:

- 1- Title and Code: Advanced biochemistry (BSp2)
- 2- Program(s) on which this course is given: Master
- 3- Year / Level of programs: Master
- 4-Units / Credit hours: 4 hrs/ week
- 5- Names of lecturers contributing to the delivery of the course:
  - Prof. Dr / Sousou Ibrahim
  - Prof. Dr / Rawia Sarhan

Course coordinator: Prof. Dr/ Sousou Ibrahim

External evaluator: Prof. Dr/ Ola Ali

### B- Statistical Information:

No. of students attending the course	no.7	100 %			
No. of students completing the course	no.4	57.14 %			
<b>Results:</b>					
Passed	No. 4	57.14 %	Failed	No. -	-
<b>Grading of successful students:</b>					
Excellent	No. 2	28.57 %	Very good	1	14.28 %
Good	1	14.28 %	Pass	-	-

### C- Professional Information:

#### 1- Course Teaching:

Topic	No. of hours	Lecturers
<ul style="list-style-type: none"><li>• Metabolic aspects of malignant diseases</li><li>• Factors induced carcinogenesis (drugs-pollution)</li><li>• Tumor markers (types, applications, detection and frequently ordered tumor markers)</li></ul>	30	<ul style="list-style-type: none"><li>• Prof. Dr / Sousou Ibrahim</li></ul>

<ul style="list-style-type: none"> <li>• Oxidative stress</li> <li>• Inflammation (sources- causes- mechanism)</li> <li>• Inflammatory markers</li> <li>• Anti-inflammatory drugs</li> <li>• Midterm oral presentations</li> <li>• Clinical chemistry of geriatric patients</li> <li>• Biochemical and physiologic changes of aging</li> <li>• Clinical chemistry results of aging</li> <li>• Clinical chemistry of pediatric patients</li> <li>• Childhood disorders</li> <li>• Case studies</li> <li>• Body fluids (Amniotic fluids – Cerebrospinal fluid – Synovial fluid – Serous fluids)</li> <li>• Final term oral presentations</li> </ul>	30	<ul style="list-style-type: none"> <li>• <b>Prof. Dr / Rawia Sarhan</b></li> </ul>
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**Topics taught as a percentage of the content specified:**

>90 %	√	70 – 90 %		<70%	
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- **Reasons in detail for not teaching any topics:** -----
- **If any topics were taught are not specified , give reasons in detail:** -----  
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**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 / Sousou Ibrahim**

- Prof. Dr / Rawia Sarhan

#### 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
Course topics should be more related to each other	Course content will be revised and updated.

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

Comments from external evaluator:	Response of course team
The course achieve the required ILOs More references should be used and the content should be refined	----- References and course content will be updated

#### 8- Course Enhancement:

Action	State whether or not completed and give reasons for any non-completion
Oral exams should be added to the evaluation methods.	completed

#### 9- Action Plan for Academic Year 2019- 2020:

Action required	Completion date	Person responsible
Updating course content and references.	2019/2020	Course Coordinators

Course Coordinator: Prof. Dr / Sousou Ibrahim

Head of department: Prof.Dr. / Sahar El-Swefy

Date: تم اعتماد تقرير المقرر بمجلس قسم الكيمياء الحيوية بتاريخ 23/9/2019



**Course Report of**

**Integration of**

**metabolism**

**2018-2019**

## Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Biochemistry

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### A – Basic Information:

- 1- Title and Code: Integration of metabolism (BSp3)
- 2- Program(s) on which this course is given: Master
- 3- Year / Level of programs: Master
- 4-Units / Credit hours: 4 hrs/ week
- 5- Names of lecturers contributing to the delivery of the course:
  - Prof. Dr / Hoda Elsayed Mohamed
  - Prof. Dr / Rawia Sarhan

Course coordinator: Prof. Dr/ Hoda Elsayed Mohamed

External evaluator: Prof. Dr/ Ola Ali

### B- Statistical Information:

No. of students attending the course	no.5	100 %			
No. of students completing the course	no.5	100 %			
<b>Results:</b>					
Passed	No. 5	100 %	Failed	No. -	-
<b>Grading of successful students:</b>					
Excellent	No. 5	100%	Very Good	-	-
Good	-	-	Pass	-	-

### C- Professional Information:

#### 1- Course Teaching:

Topic	No. of hours	Lecturers
<ul style="list-style-type: none"><li>• Overview of the major metabolic pathways</li><li>• Interconnected pathways</li><li>• Fed fasting cycle</li><li>• Effect of hormones on individual metabolic pathways</li></ul>	30	<ul style="list-style-type: none"><li>• Prof. Dr / Hoda Elsayed Mohamed</li></ul>

<ul style="list-style-type: none"> <li>• Fuel choice during exercise</li> <li>• Ethanol alters metabolism</li> <li>• Obesity and Case studies</li> <li>• Diabetes mellitus</li> <li>• Nutrition: nutritional consideration for specified individuals</li> <li>• Nutrition: Drug - nutrient interaction</li> <li>• Nutrition: Diet linked diseases + case studies</li> <li>• Activity and presentation</li> </ul>	30	<ul style="list-style-type: none"> <li>• <b>Prof. Dr / Rawia Sarhan</b></li> </ul>
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### **Topics taught as a percentage of the content specified:**

>90 %	√	70 – 90 %		<70%	
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- **Reasons in detail for not teaching any topics:** -----
- **If any topics were taught are not specified , give reasons in detail:** -----  
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### **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 / Hoda Elsayed Mohamed**
- **Prof. Dr / Rawia Sarhan**

### **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
More useful topics should be added to the content to be more applicable in the scientific field.	Course content will be updated and new topics will be added.

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

Comments from external evaluator:	Response of course team
Continuous development of course content to cope with program ILOS and labour market needs.	Evaluator's comments will be carefully considered.

#### 8- Course Enhancement:

Action	State whether or not completed and give reasons for any non-completion
• Activities should be used as a method of student`s assessment.	completed
• Oral exams should be added to the evaluation methods.	completed

#### 9- Action Plan for Academic Year 2019- 2020:

Action required	Completion date	Person responsible
-Addition of new topics to the existing content. -Continuous development of course content to cope with program ILOS and labour market needs.	2019/2020	-Course Coordinators

**Course Coordinator: Prof. Dr / Hoda Elsayed Mohamed**

**Head of department: Prof.Dr. / Sahar El-Swefy**

**Date: تم اعتماد تقرير المقرر بمجلس قسم الكيمياء الحيوية بتاريخ 23/9/2019**



**PhD Program**

**2018-2019**

**COURSE Report**

**Regulation of gene  
expression**

(PhD)

**2018-2019**

## Annual Course Report

**University:** Zagazig

**Faculty:** Pharmacy

**Department:** Biochemistry

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### A – Basic Information:

**8. Title and Code:** regulation of gene expression **BSp6**

**9. Program(s) on which this course is given:** PhD

**10. Year / Level of programs:** PhD

**11. Units / Credit hours:**-----

<b>Lectures</b>	4 hrs/week
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**12. Names of lecturers contributing to the delivery of the course:**

- **Prof. Dr/ Sousou Ali**
- **Ass. Prof. / Nahla Younis**

**13. Course coordinator:**

- **Prof. Dr/ Sousou Ali**

**14. External evaluator:**

- **Prof. Dr/ Ola Ali**

### 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	No.-	-
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#### **Grading of successful students:**

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

## **C- Professional Information:**

### **1-Course teaching:**

<b>Topic</b>	<b>No of hours</b>	<b>Lecturers</b>
<ul style="list-style-type: none"> <li>• Cell cycle</li> <li>• DNA structure, replication</li> <li>• RNA structure, transcription, posttranscriptional modification</li> <li>• Regulation of prokaryotic and eukaryotic gene expression</li> <li>• Genetic code, translation</li> <li>• Posttranslational modification</li> </ul>	30	Prof. Dr/ Sousou Ali
<ul style="list-style-type: none"> <li>• Applications: detection of specific sequences among DNA fragments and gene mutation.</li> <li>• Mutations (definition, causes, types)</li> </ul>	30	Ass. Prof. / Nahla Younis
<ul style="list-style-type: none"> <li>• microRNA , relation between diseases, drugs and gene expression</li> </ul>		

### **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	Marks	Percentage of total %
• 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/ Sousou Ali
- Ass. Prof. / Nahla Younis

### 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
Students were satisfied about the course	-

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

Comments from external evaluator:	Response of course team
Textbooks and references need to be updated. The course needs some refining and update.	Evaluator's comments will be carefully considered

### 8- Course Enhancement:

Action	State whether or not completed and give reasons for any non-completion
Textbooks and references need to be updated.	Not completed

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

Action required	Completion date	Person responsible
- The course contents should be updated.	2019-2020	Course team.

**Course Coordinator: Prof. Dr/ Sousou Ali**

**Head of department: Prof.Dr. / Sahar Elswify**

تم مناقشته واعتماده بمجلس القسم بتاريخ 2019-9-23