

# COURSE REPORTS

## Faculty of Pharmacy

**Bachelor of pharmacy**

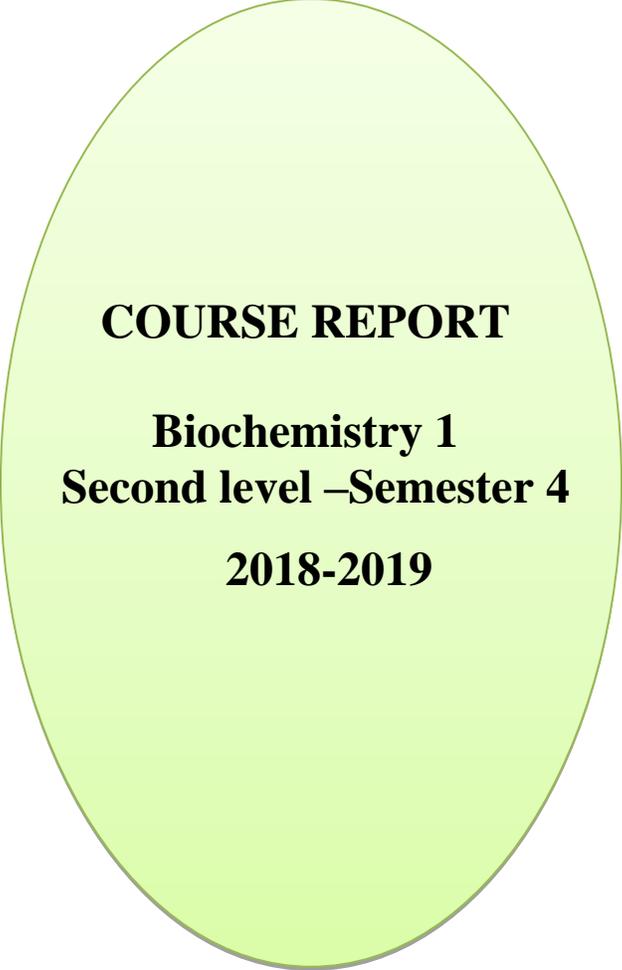
**(Clinical Pharmacy)**

**Second level – Semester 4**

**2018-2019**

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**COURSE REPORT**

**Biochemistry 1  
Second level –Semester 4  
2018-2019**

## Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Biochemistry

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### A – Basic Information:

1. **Title and Code:** Biochemistry I PB401

**Program(s) on which this course is given:** Bachelor of pharmacy (Clinical pharmacy)

2. **Year / Level of programs:** Second year/Fourth semester

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

<b>Lectures</b>	2 hrs.	<b>Practical sessions</b>	1hr.	<b>Total</b>	3 hrs.
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4. **Names of lecturers contributing to the delivery of the course:**

- Prof.Dr.Hoda Elsayed
- Prof. Dr. Mervat Asker
- Prof. Dr. Sahar El- Sewefy
- Dr. Sally Kamel

5. **Course coordinator:**

- Prof. Dr. Sahar El- Sewefy

6. **External evaluators:**

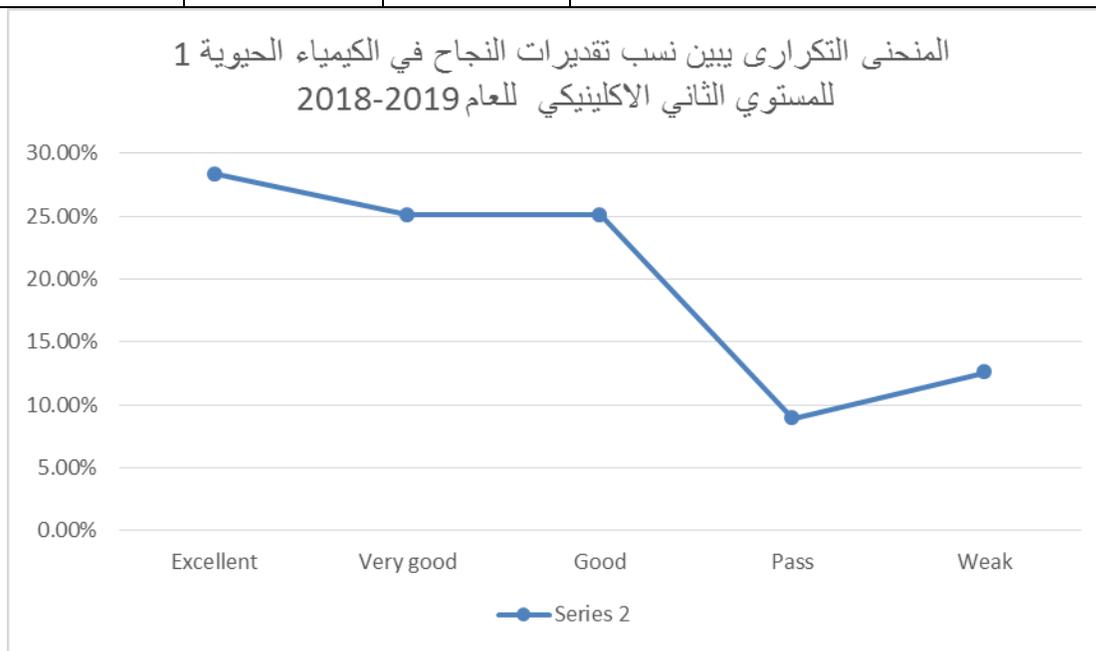
- Prof. Dr. Nahla Elsayed ElAshmawy . (TantaUniversity)

### B- Statistical Information:

<b>No. of students attending the course</b>	255	100 %
<b>No. of students completing the course</b>	247	96.86%

<b>Results:</b>					
<b>Passed</b>	216	87.45%	<b>Failed</b>	31	12.55 %
<b>Grading of successful students:</b>					
<b>Excellent</b>	70	28.34 %	<b>Very good</b>	62	25.1 %

<b>Good</b>	62	25.1 %	<b>Pass</b>	22	8.9 %
<b>Weak</b>	31	12.55%			



### **C- Professional Information:**

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

<b>Topic</b>	<b>No of hours</b>	<b>Lecturers</b>
- Biological oxidation. - Substrate level phosphorylation -Oxidative phosphorylation.	2	• Dr. Sally Kamel
- Electron transport chain -Uncouplers - Energy gain from glucose oxidation in cells .	2	
-Enzymes structure -Properties of enzymes - Enzymes: mechanism of actions	2	

and coenzymes		<ul style="list-style-type: none"> <li>• Prof.Dr.Hoda Elsayed</li> </ul>
<ul style="list-style-type: none"> <li>- Factors affecting reaction velocity</li> <li>- Inhibition of enzyme activity</li> <li>- Regulation of enzyme activity</li> </ul>	2	
<ul style="list-style-type: none"> <li>- Correlation of enzymes with diseases</li> </ul>	2	
<ul style="list-style-type: none"> <li>- Chemistry of heme</li> <li>-Regulation of heme metabolism and metabolic disorders.</li> </ul>	4	<ul style="list-style-type: none"> <li>• Dr. Sally Kamel</li> </ul>
- <b>Midterm exam</b>		- <b>Midterm exam</b>
<ul style="list-style-type: none"> <li>- Structure and classification of amino acids</li> <li>- Acidic and basic properties of amino acids</li> </ul>	2	<p>Prof. Dr. Sahar El- Sewefy</p>
<ul style="list-style-type: none"> <li>- Structure of proteins</li> <li>- Functions of proteins</li> <li>- Plasma proteins</li> </ul>	2	
<ul style="list-style-type: none"> <li>-Definition and function of lipids</li> <li>- Classification of lipids</li> <li>Distribution of lipids in the body</li> <li>- Types of fatty acids and essential fatty acids.</li> </ul>	2	

Definition and functions of carbohydrates.	2	<ul style="list-style-type: none"> <li>• Prof. Dr. Mervat Asker</li> </ul>
Classification of carbohydrates (monosaccharides, disaccharides, oligosaccharides examples with structure) .		
Polysaccharides: examples and classification	2	
- Physical and chemical properties of carbohydrates.		

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

**2- Teaching and learning methods:**

Lectures	√
Practical Training / Laboratory	√
Seminar / Workshop	-
Class activity	√
Case study	-
Other assignment / homework	√

- If teaching and learning methods were used other than those specified, list and give reasons: other methods of teaching and learning were used such as reports, group discussion,

internet search... to increase the interaction between the lecturers and students, as well as to develop the writing and presentation skills of the students. (Students are asked prepare a report& presentation about Vegeterian diet & Importance of plasma protein, Creatine,Glutathione)

• **Student Assessment**

Method of Assessment	Percentage of total %
Written examination	50%
Midterm exam	10%
Oral examination	15%
Practical / Laboratory work including Activity	25%
Other Assignments/class work	-
Total	100%

**Members of examination committee:**

- Prof.Dr.Hoda Elsayed
- Prof. Dr. Mervat Asker
- Prof. Dr. Sahar El- Sewefy
- Dr. Sally Kamel

**3- Facilities and Teaching Materials:**

Totally adequate	
Adequate to some extent	√
Inadequate	

**List any inadequacies:**

No enough Laboratory equipment for practical work.

There is no time spacing between lectures.

**4- Administrative Constraints:**

Insufficient budget for more laboratory equipment.  
 No periodical maintenance for laboratory equipment.

**5- Students evaluation of the course:**

<b>Students evaluation of the course</b>	<b>Response of course team</b>
Effective technological methods of learning should be used.	Technology already used in students activity.
The course content should encourages self-learning skills of students.	Student activity already encourages self-learning skills.
The course content should be presented simply and clearly.	The course content will be presented simply.
The course and its book need to be simplified.	Course content will be revised and modified if needed.

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

<b>Comments from external evaluator:</b>	<b>Response of course team</b>
<ul style="list-style-type: none"> <li>References should be updated.</li> </ul>	<ul style="list-style-type: none"> <li>More recent references are already added.</li> </ul>

**8- Course Enhancement:**

<b>Action</b>	<b>State whether or not completed and give reasons for any non completion</b>
Internet based researches to develop computer and internet communication skills.	Completed
Using additional learning and	To be added .

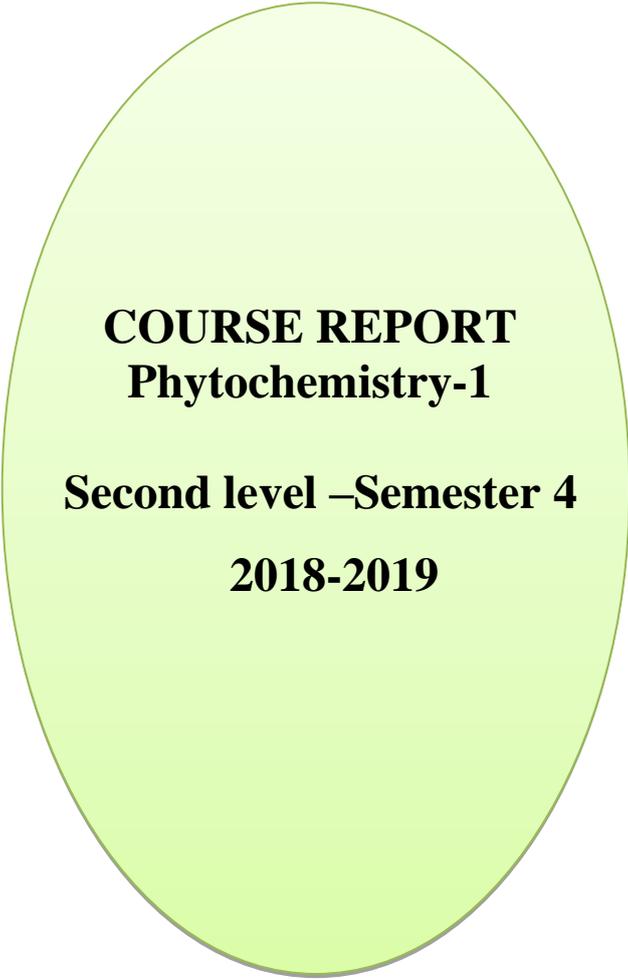
teaching methods such as group discussion to encourage students to interact effectively with lecturers.	
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**9- Action plan for academic year 2019– 2020:**

Action required	Person responsible
Adding more modern methods in practical sessions.	Course team
Update the course content and present it simply.	Course team

**Course Co-ordinator:** Prof. Dr. Sahar El- Sewefy

**Date:** Course report is approved in department council on 23-9-2019



**COURSE REPORT**  
**Phytochemistry-1**

**Second level –Semester 4**

**2018-2019**

## Annual Course Report (2018-2019)

University: Zagazig  
Pharmacognosy

Faculty: Pharmacy

Department:

### Course Report

#### A- Basic Information

1. Title and code: Phytochemistry I Code: PG404
2. Programme(s) on which this course is given: Bachelor of Pharmacy (Clinical Pharmacy)
3. Year/ Level of programme: Second year / 4<sup>th</sup> semester
4. Units/Credit hours: .....

Lectures  Tutorial/Practical  Total

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

Prof. Dr. Maher El-Domiaty

Prof. Dr. Mahmoud AbdAlaal

Prof. Dr. Azza Al-Shafeay

A Prof. Maged Abou-Hashem

Course co-ordinator: Prof. Dr. Mahmoud AbdAlaal

External evaluator: Prof. Dr. El-Sayed Shaker

## 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.  %  Very Good:  %   
No.

Good : No.  %  Pass:  %   
No.



C- Professional Information

1 - Course teaching

Topics actually taught	No. of hours	Lecturer
<b>Carbohydrates</b> Definition, classification, properties, evaluation	2	A Prof. Maged Abou-Hashem
<b>Carbohydrates</b> Monosaccharides	2	
<b>Carbohydrates</b> Disaccharides	2	
<b>Carbohydrates</b> Heteropolysaccharides and holopolysaccharides	2	Prof. Dr. Azza Al-Shafeay
<b>Bitter principals</b>	2	
<b>Tannins</b>	2	
<b>Volatile oils</b> - Occurrence, physical properties. - Preparation and determination. - Chemistry and uses. - Classification of vol. oils components.	2	Prof. Dr. Mahmoud AbdAlaal
-Biosynthesis of volatile oils	2	
<b>Volatile oils</b> Hydrocarbons.	2	
<b>Volatile oils</b> Oxygenated components.	2	Prof. Dr. Maher El-Domiaty
<b>Volatile oils</b> Oxygenated components.	2	
<b>Volatile oils</b> N and S containing components.	2	

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 checked="" type="checkbox"/>
Practical training/ laboratory:	<input checked="" type="checkbox"/>
Seminar/Workshop:	<input type="checkbox"/>
Class activity:	<input checked="" type="checkbox"/>
Case Study:	<input type="checkbox"/>

### Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons: Internet based research and visits to community pharmacy to be in touch with applications of the course in the market and renew information.

## 3- Student assessment:

Method of assessment	Percentage of total
<b>Periodic written exam</b>	10%
<b>Practical exam and activity</b>	25%
<b>Final written exam</b>	50%
<b>Oral exam</b>	15%
<b>TOTAL</b>	100%

### Members of examination committee

Prof. Dr. Maher El-Domiaty

Prof. Dr. Mahmoud AbdAlaal

Prof. Dr. Azza Al-Shafeay

Prof. Dr. Assem El-Shazly

Prof. Dr. Fawkeya Abbas

A Prof. Maged Abou-Hashem

## 4- Facilities and teaching materials:

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

5- Administrative constraints

List any difficulties encountered

- GC in central lab was broken.
- Poor internet.

6- Student evaluation of the course: Response of course team

List any criticisms

- Students required improvement in theoretical and practical notes. Will be improved next year

- Poor network. Will contact the IT unit

7- Comments from external evaluator(s): Response of course team

- List of references must be updated Will be taken into consideration

8- Course enhancement:

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

Action

Availability of some chemicals and material required for practical sessions Completed

9- Action plan for academic year 2019 - 2020

Actions required	Completion date	Person responsible
Improvement of course books	Sep. 2019	Prof. Mahmoud AbdAlaal
Using illustrative videos		Dr. Islam Mostafa
Renew of the practical schedule		
Continuous evaluation for the students during practical sessions (3 exams)		

**Course coordinator: Prof. Dr. Mahmoud AbdAlaal**

**Head of Department: Prof Dr. Amal Al-Gendy**

Signature:

Date: 30/09/2019



**COURSE REPORT**

**Instrumental Analysis**

**Second level –Semester 4**

**2018-2019**

## Annual Course Report of Instrumental Analysis

**University:** Zagazig

**Faculty:** Pharmacy

**Department:** Analytical Chemistry

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### A – Basic Information:

**1. Title and Code:** Instrumental Analysis (PC407)

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

Bachelor of pharmacy - Clinical Pharmacy program

**3. Year / Level of programs:** Second year (Forth semester)

**4. Units / Credit hours:** 2 hrs/week

<b>Lectures</b>	1 hr.	<b>Practical sessions</b>	1 hrs.	<b>Total</b>	2 hrs.
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**5. Names of lecturers contributing to the delivery of the course:**

- Prof. Dr. Wafaa El-Sayed Hasan
- Assoc Prof. Hawa Khalil
- Assoc Prof. Heba Elsayed
- Dr. Sara Anis
- Dr. Yasmine Sharaf

**6. Course coordinator:** Wafaa El-Sayed Hasan

**7. External evaluator:** Prof. Dr. Yasser Shaker (Cairo University)

### B- Statistical Information:

No. of students attending the course: No.  %

No. of students completing the course: No.  %

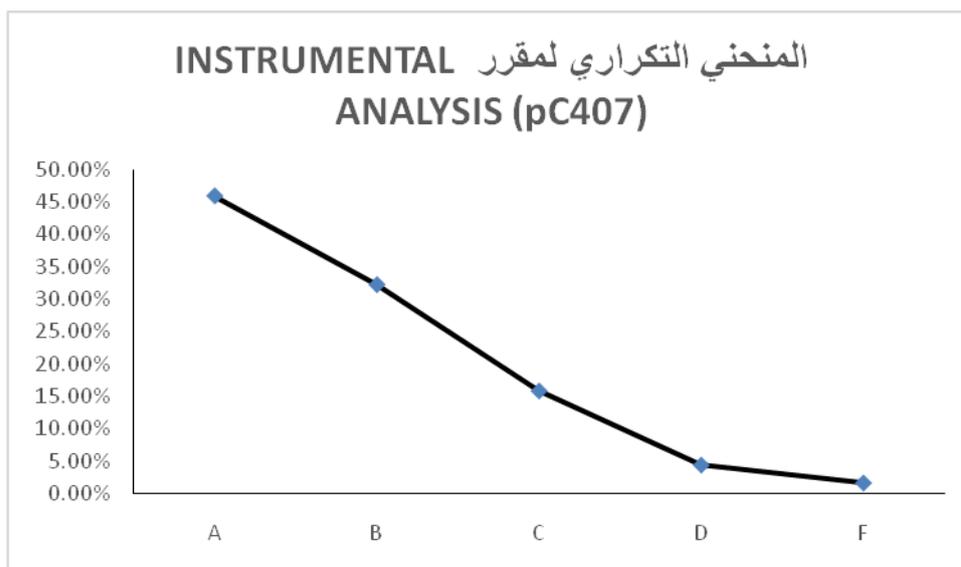
Results:

Passed: No.  %  Failed: No.  %

Grading of successful students:

Excellent: No.  %  Very Good: No.  %

Good : No.  %  Pass: No.  %



### **C- Professional Information:**

#### **1. Course teaching:**

Topic	No. of hours	Lecturers
Introduction to instrumental methods of analysis Electrochemical method	4	Ass. Prof. Heba Elsayed
Spectrophotometry	4	-Prof. Dr. Wafaa El-Sayed Hasan
Application of spectrophotometry	1	
Spectrofluorimetry	1	-Dr. Yasmine Sharaf
Atomic absorption spectrometry	1	-Ass. Prof. Hawaa Khalil
Chromatography	3	-Dr. Sara Anis

#### **2. 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: ---

### 3. Teaching and learning methods:

Lectures	√
Practical Training / Laboratory	√
Seminar / Workshop	√
Class activity	√
Case study	
Other assignment / homework	

- Teaching and learning methods were used other than those specified, list and give reasons: Internet based researches on method validation to develop self learning skills as well as computer and internet skills.

### 4. Student Assessment:

Method of Assessment	Percentage of total %
Written examination	50
Oral examination	15
Practical / Laboratory work	25
Midterm	10
Total	100%

### 5. Members of examination committee:

- Prof. Dr. Wafaa El-Sayed Hasan
- Assoc Prof. Hawa Khalil
- Assoc Prof. Heba Elsayed
- Dr. Sara Anis
- Dr. Yasmine Sharaf

## 6. Facilities and Teaching Materials:

Totally adequate	√
Adequate to some extent	
Inadequate	

List any inadequacies:

7- Administrative Constraints: no constraints

## 8- Students evaluation of the course

Students evaluation of the course	Response of course team
Students were satisfied by the course	-----

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

Comments from external evaluator:	Response of course team
the aim of the course is consistent with the goals of the program All outcomes (knowledge, practical and intellectual) are good	-----
Some course references need to be updated	update course references

## 10- Course Enhancement:

Action	State whether or not completed and give reasons for any non-completion
Improving self-learning abilities of the students through applying internet research activities	Completed

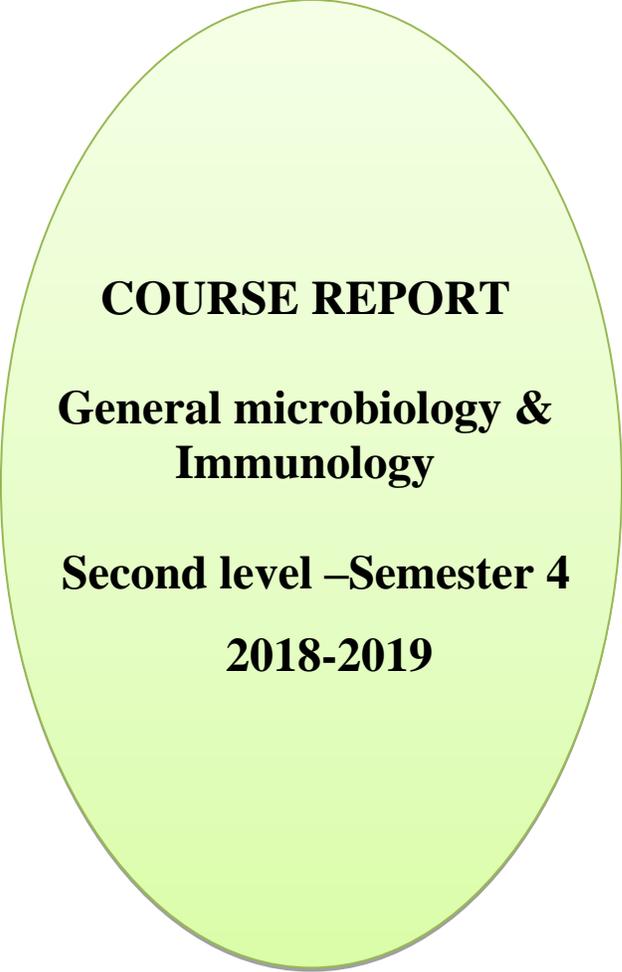
### 11- Action plan for academic year 2019-2020

Action required	Completion date	Person responsible
Activities will be included in order to increase self-learning abilities in the students	2019-2020	Course Coordinator
the whole course will be evaluated according to the implemented programs ILOs	2019-2020	Course Team
The polarography and voltammetry parts will be included in the course according to the new bylaw	2019-2020	Course Team

**Course coordinator:** Prof. Dr. Wafaa El-Sayed Hasan

**Signature:**

**Date:** October 2019



**COURSE REPORT**

**General microbiology &  
Immunology**

**Second level –Semester 4  
2018-2019**

# Course report of General Microbiology & Immunology

University: Zagazig

Faculty: Pharmacy

Department:

Microbiology & Immunology

## A- Basic Information:

.....1. Title and code: General Microbiology & Immunology (PM401)

2. Programme(s) on which this course is given: Bachelor of Pharmacy (clinical pharmacy)

3. Year/ Level of programme: Second level/ fourth semester

4. Units/Credit hours:

Lectures  Tutorial/Practical  Total

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

- Prof. Dr/Fathy serry
- Prof. Dr/Ashraf Kadry
- Prof. Dr/Nehal El-sayed.

## 6- Course coordinator:

- Prof. Dr/Fathy serry

7- External evaluator: Prof. Mohamed Abdel Halim Ramadan– Microbiology –Cairo University

## B- Statistical Information:

No. of students attending the course: No.  %

No. of students completing the course: No.  %

Results:

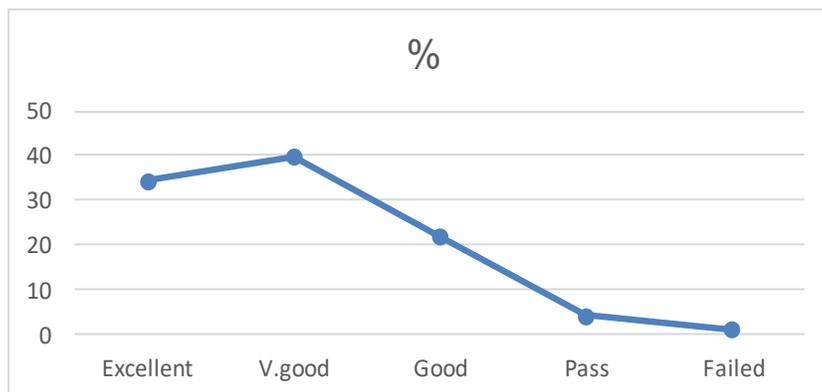
Passed: No.  %  Failed: No.  %

Grading of successful students:

Excellent: No.  %  Very Good: No.  %

Good : No.  %  Pass: No.  %

No.



**C- Professional Information:**

**1 - Course teaching**

Topics actually taught	No. of hours	Lecturer
General introduction to microbiology and historical review <ul style="list-style-type: none"> <li>•Description of microorganisms</li> </ul> Classification and types of Microorganisms <ul style="list-style-type: none"> <li>•Brief description of viruses, fungi and protozoa</li> <li>•Bacteria: description and classification</li> <li>•Anatomy and structure of bacterial cells</li> <li>•Growth and cultivation of bacteria, bacterial growth curve</li> </ul>	10 hrs	Prof. Nehal Yossef
<ul style="list-style-type: none"> <li>• <b>Microbial metabolism</b></li> <li>• Introduction to immunology               <ul style="list-style-type: none"> <li>• Introduction to immunology</li> <li>• Immunity – innate immunity</li> </ul>               Immune system             </li> <li>• Cells of immune response               <ul style="list-style-type: none"> <li>Immunogens or antigens</li> </ul> </li> <li>• Acquired immune response</li> <li>• Humoral immune response And Cytokines</li> <li>• Agglutination and complement fixation reactions</li> <li>• Immunologic mechanisms of tissue damage</li> <li>• Transplantation immunology</li> <li>• Tumour immunology</li> <li>• Immunoprophylaxis</li> </ul>	10 hrs	Prof. Ashraf Kadry

<p style="text-align: center;"><b>Microbial genetics</b></p> <ul style="list-style-type: none"> <li>•Transcription and Protein synthesis</li> <li style="padding-left: 20px;">Genetic variation</li> <li>•Genetic Transfer among bacteria</li> <li>•<b>Cell mediated immunity</b></li> <li>• Hypersensitivity reactions</li> <li>• Autoimmune diseases</li> </ul>	8 hrs	Prof. Fathy Serry
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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	**
Practical training/ laboratory:	**
Seminar/Workshop:	-
Class activity:	**
Case Study:	

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>Midterm</b>	10	10%
<b>Practical practice &amp; exam</b>	25	25%
<b>Final written exam</b>	50	50%
<b>Oral exam</b>	15	15%
<b>TOTAL</b>	100	100%

#### Members of examination committee:

##### Written Exam-

- Prof. Dr/Fathy serry
- Prof. Dr/Ashraf Kadry
- Prof. Dr/Nehal El-sayed

##### Oral exam:

- Prof. Ashraf Kadry
- Prof. Dr/ Fathy Serry
- Prof.Dr/Nehal Elsayed Youssef
- Ass. Prof. Amira El-Ganiny
- Ass. Prof. Hisham Abbas
- DR./ Momen Mohamoud

### 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

Students evaluation of the course	Response of course team
Students are satisfied about the course but the complain about the quality of microscopes during practical sessions	The department send a request to the faculty dean asking for new microscopes with better quality

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

Comments from external evaluator	Response of course team
The course was well designed but the references need some refining and update.	This was done

### 8- Course enhancement:

Action required	State whether or not complete and give reasons for any non-completion
Updating student notes.	completed

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

<b>Action required</b>	<b>Completion date</b>	<b>Person responsible</b>
Training of examination committee for development of written exam structure to cover 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:** Prof. Dr/Fathy serry
- **Head of Department:** Prof. Dr/Nehal El-sayed
- **Signature:**
- **Date:** 30/9/2019



**COURSE REPORT**

**Parasitology**

**Second level –Semester 4**

**2018-2019**

## Course Report of Parasitology

**University:** Zagazig  
microbiology & immunology

**Faculty:** Pharmacy

**Department:**

### A- Basic Information:

**1. Title and code:** Parasitology MD406

**2. Programme(s) on which this course is given:** Bachelor of Pharmacy  
(Clinical pharmacy program)

**3. Year/ Level of programme:** second level (4<sup>th</sup> semester)

**4. Units/Credit hours:**

Lectures  Tutorial/Practical  Total

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

- Prof. Dr/ Ghada Hamed Shaker.
- Dr / Momen Ezz EL-Arab

**6. Course coordinator:** Prof. Dr/ Ghada Hamed Shaker

**7. External evaluator:** Prof. Dr/ Abdel Gawad Hashem

### B- Statistical Information:

No. of students attending the course: No.  %

No. of students completing the course: No.  %

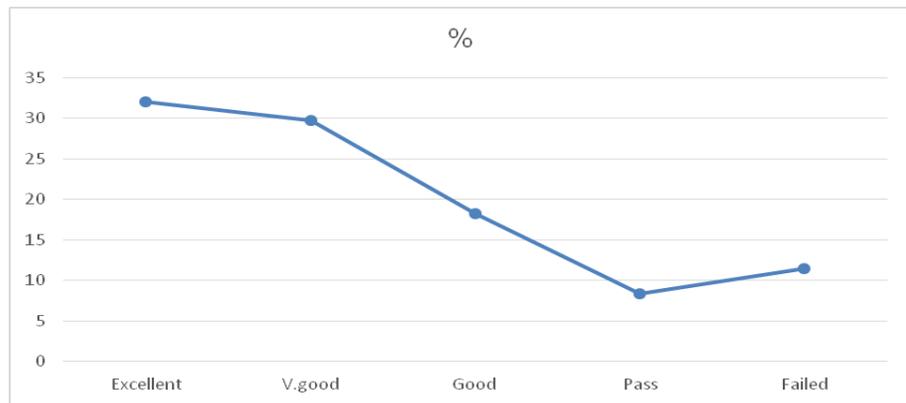
#### Results:

Passed: No.  % 88.5 Failed: No.  %

Grading of successful students:

Excellent: No.  %  Very Good: No.  %

Good : No.  %  Pass: No.  %



**C- Professional Information:**

**1 - Course teaching:**

Topics actually taught	No. of hours	Lecturer
General introduction	6	Prof. Dr/ Ghada Hamed Shaker
Trematodes		
Cestodes	9	Dr / Momen Ezz Elarab
Nematodes		
Protozoology		
Entomology		
Revision& Open discussion		

**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="checkbox"/>
Practical training/ laboratory:	<input type="checkbox"/>
Seminar/Workshop:	<input type="checkbox"/>
Class activity:	<input type="checkbox"/>
Case Study:	<input type="checkbox"/>

Other assignments/homework:

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

Discussion sessions to develop the interaction between students and lecturer and illustrate the unclear issues

## 3- Student assessment:

Assessment method	Marks	Percentage
Midterm exam	10	10%
Final written exam	50	50%
Practical practice & exam	25	25%
Oral exam	15	15%
<b>TOTAL</b>	100	100%

**Members of examination committee**  
**Written exam**

- Prof. Dr/ Ghada Hamed Shaker.
- Dr / Momen Ezz Arab

**Oral exam**

- Prof. Dr/ Ghada Hamed Shaker.
- Dr / Momen Ezz Arab
- Ass. Prof. Amira El-Ganiny
- Ass. Prof. Hisham Abbas

**Evaluation of course content and final exam :**

**4- Facilities and teaching materials:**

Totally adequate

Adequate to some extent

Inadequate

**List any inadequacies:**

Crowded schedule.

Insufficient Lab tools (Chemicals and equipments)

/

**5- Administrative constraints:**

**List any difficulties encountered:**

- Crowded schedule.
- No periodical maintenance for laboratory equipment

**6- Student evaluation of the course:**

By discussion with students, they stated that:

The course is well designed and useful for future career as it has a good structured knowledge.

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

<b>Comments</b>	<b>Response of course team</b>
The course content is suitable for the overall aims of the course	-
<u>The intended learning outcomes all well written</u>	-

### 8- Course enhancement:

Actions recommended from the most recent course report(s)	Actions Taken
Revision of the course and implement any required updates.	done

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

Actions Recommended for Further Improvement	Completion Date	Person Responsible
Revising the course content and update it to be suitable with teaching hours	2020	Course team

**Course Coordinator: Prof. Dr/ Ghada Shaker**

**Head of Department: Prof. Dr. Nehal Elsayed Youssef**

Date: م 2019/ 9 / 30 تم مناقشة و اعتماد تقرير المقرر من مجلس القسم بتاريخ



**COURSE REPORT**

**Pharmaceutical dosage  
forms 1**

**Second level –Semester 4**

**2018-2019**

## Annual Course Report of Pharmaceutical Dosage Forms-1

**University:** Zagazig

**Faculty:** Pharmacy

**Department:** Pharmaceutics

### A – Basic Information:

**1. Title and Code:** Pharmaceutical Dosage Forms-1 (PT403)

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

Bachelor of Pharmacy (Clinical Pharmacy )

**3. Year / Level of programs:** Second year (Forth semester)

**4. Units / Credit hours:** 3 hrs/week

<b>Lectures</b>	2 hrs.	<b>Practical sessions</b>	1 hr.	<b>Total</b>	3 hrs.
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**5. Names of lecturers contributing to the delivery of the course:**

- Prof. Dr. Hanaa El-Ghamry
- Prof. Dr. Fakhr Eldin Ghazy
- Assistant Prof. Dr. Azza Ali Hassan

**6. Course coordinator:** Prof. Dr. Hanaa El-Ghamry

**7. External evaluator:** Prof. Dr. Osama Abdel Assem Soliman (El-Mansura University)

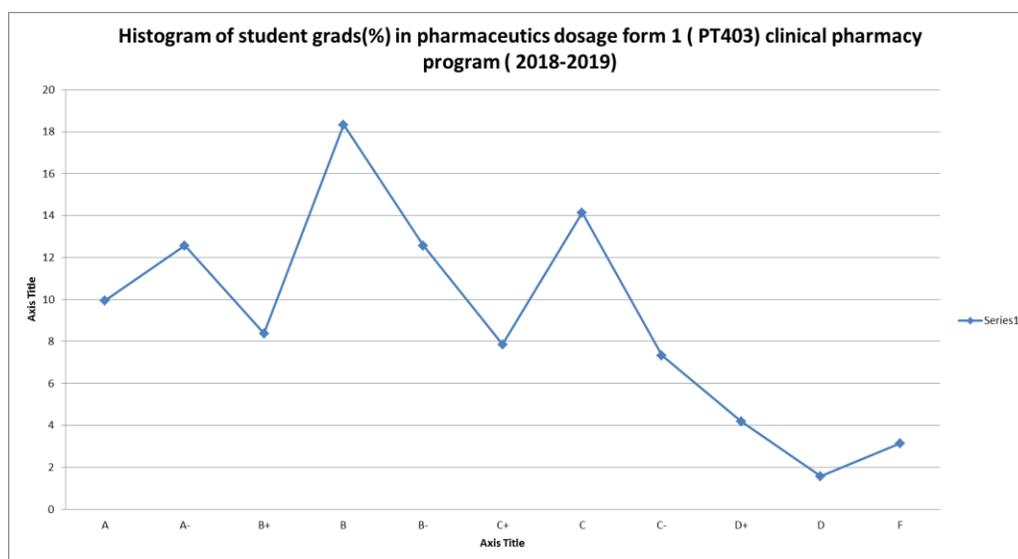
### B- Statistical Information:

<b>Number of students attending the course</b>	197	100 %
<b>Number of students completing the course</b>	197	100%

<b>Results:</b>					
<b>Passed</b>	185	97%	<b>Failed</b>	6	3%
<b>Grading:</b>					
<b>Grade</b>	<b>No.</b>	<b>Percentage</b>	<b>Grade</b>	<b>No.</b>	<b>Percentage</b>
A	19	9.9	A <sup>-</sup>	24	12.5

<b>B<sup>+</sup></b>	16	8.3	<b>B</b>	35	18.3
<b>B<sup>-</sup></b>	32	12.6	<b>C<sup>+</sup></b>	15	7.8
<b>C</b>	27	14	<b>C<sup>-</sup></b>	14	7.3
<b>D<sup>+</sup></b>	8	4	<b>D</b>	3	1,6
<b>F</b>	6	3			

F	D	C	B	A	التقدير
3	5.6	29.1	39.2	22.4	نسب التقديرات



## C- Professional Information:

### 1. Course teaching:

Topic	No. of hours	Lecturers
Emulsion -Definition -Types of emulsion -Theories of emulsification	2	Prof. Dr. Hanaa Atia El-Ghamry
- ideal characters of Emulsifying agents -examples of emulsifying agents	2	
-Stability of emulsions Different methods for Preparation of emulsion	2	

<p style="text-align: center;">Suspensions</p> <ul style="list-style-type: none"> <li>-definition</li> <li>-Reasons for preparing suspension</li> <li>-Characters of ideal suspension</li> <li>- ideal characters of suspending agents with examples</li> <li>-Formulation and evaluation of suspensions</li> <li>-Stability of suspensions</li> </ul>	2	
<ul style="list-style-type: none"> <li>- solution</li> <li>- Water, aromatic water, syrups</li> <li>- , elixirs, liniments, lotions</li> <li>- Factors affecting solubility</li> <li>Solubility curves of solids in liquids</li> </ul>	2	Prof. Dr. Fakhr Eldin Ghazy
<p style="text-align: center;">Tablets</p> <ul style="list-style-type: none"> <li>- Advantages, disadvantages</li> <li>- Main excipients (diluent, binders, disintegrant, lubricant)</li> <li>- Methods of preparations (dry, directly compressible vehicles ,wet granulation)</li> </ul>	4	
<ul style="list-style-type: none"> <li>- Powders and granules</li> <li>-definitions</li> <li>-powders as dosage forms</li> <li>-Advantaged and disadvantages</li> </ul>	2	Assistant prof.Dr. Azza Ali Hassan
<p style="text-align: center;">Introduction to disperse system</p> <p style="text-align: center;">Colloids</p> <ul style="list-style-type: none"> <li>-definition</li> <li>-Pharmaceutical application of colloids</li> </ul>	2	
<ul style="list-style-type: none"> <li>-Types of colloidal systems</li> <li>-ideal characters of colloids</li> <li>-Stability of colloids</li> </ul>	2	
<p style="text-align: center;">Powders and granules</p> <ul style="list-style-type: none"> <li>-definitions</li> <li>-powders as dosage forms</li> <li>-Advantaged and disadvantages</li> </ul>	2	
<p style="text-align: center;">Powders and granules</p>	2	

-flow properties -effervescent granules		
<p style="text-align: center;">Capsules</p> <ul style="list-style-type: none"> <li>- Definition, advantages and disadvantages</li> <li>- Hard gelatin capsules: composition of the shell, Types of excipients, limitations.</li> <li>- Different sizes of capsules</li> <li>- Stability of hard gelatin capsule</li> </ul> <p style="text-align: center;">Quality Control Tests: Disintegration test, Weight variation test, Dissolution test.</p>	2	
<ul style="list-style-type: none"> <li>- Soft Gelatin Capsule, advantages and disadvantages</li> <li>- Comparison between Hard and soft gelatin Capsules</li> <li>- Vegicaps Soft Capsules</li> <li>- Enteric coated capsules: Sustained release capsules; Spansule and medules.</li> </ul>	2	
<ul style="list-style-type: none"> <li>- Microencapsulation</li> <li>- Definition, Applications and Advantages of Micro-encapsulation.</li> <li>- <u>Methods of preparation:</u></li> <li>- Pan coating</li> <li>- Air-suspension coating,</li> <li>- Spray techniques: spray drying &amp; spray congealing.</li> <li>- Coacervation – Phase Separation Process.</li> </ul> <p style="text-align: center;">Solvent Evaporations method for preparation of microspheres.</p>	2	

**2. 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: ---

### 3. Teaching and learning methods:

Lectures	√
Practical Training / Laboratory	√
Seminar / Workshop	√
Class activity	√
Case study	
Other assignment / homework	

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

### 4. Student Assessment:

Method of Assessment	Percentage of total %
Written examination	50
Oral examination	15
Practical / Laboratory work	25
Periodical exam	10
Total	100%

**5. Members of examination committee:**

- Prof. Dr. Hanaa Atia El-Ghamry
- Prof. Dr. Fakhr Eldin Ghazy
- Assistant prof.Dr. Azza Ali Hassan

**6. Facilities and Teaching Materials:**

Totally adequate	√
Adequate to some extent	
Inadequate	

**List any inadequacies: ---**

**7- Administrative Constraints:** no constraints

**8- Students evaluation of the course:**

<b>Students evaluation of the course</b>	<b>Response of course team</b>
Students were satisfied about the course and exam questions.	

**9- Comments from external evaluator(s):**

<b>Comments from external evaluator:</b>	<b>Response of course team</b>
Aim of the course is suitable and connected in the theoretical and practical sides	-----

**10- Course Enhancement:**

<b>Action</b>	<b>State whether or not completed and give reasons for any non-completion</b>
Measurment of ILOS of course.	<b>Completed.</b>
Providing the student with an	<b>Not Completed.</b>

electronic source for the course.	
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**11- Action plan for academic year 2019– 2020:**

Action required	Completion date	Person responsible
Measurement of ILOS of course	2019– 2020	Course team
Providing the students with an electronic source for the course	2019– 2020	Course team.

**Course coordinator:** Prof. Dr. Azza Ali Hasan

**Head of Department:** Prof . Dr. Nagia Ahmed Al-Amin

**Signature:**

- **Date: course report is approved on 28/10/2019**

**COURSE REPORT**

**Pharmacy Legislation**

**Second level –Semester4**

**2018-2019**

## Course Report of Pharmacy Legislation

**University:** Zagazig  
Pharmaceutics

**Faculty:** Pharmacy

**Department:**

### A- Basic Information:

- 1. Title and code: Pharmacy Legislation (PT404)**
- 2. Programme(s) on which this course is given: Bachelor of pharmacy (Clinical pharmacy)**
- 3. Year/ Level of programme: Second year/ fourth semester**
- 4. Units/Credit hours:**

Lectures  Tutorial/Practical  Total

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

**Prof. Dr. Hanaa Elghamry**

**Prof.Dr Mahmoud Abdelghany**

### 6. Course coordinator: Prof. Dr. Hanaa Elghamry

### 7. External evaluator: Prof. Dr. Gamal El Maghraby

### B- Statistical Information:

No. of students attending the course: No.  %

No. of students completing the course: No.  %

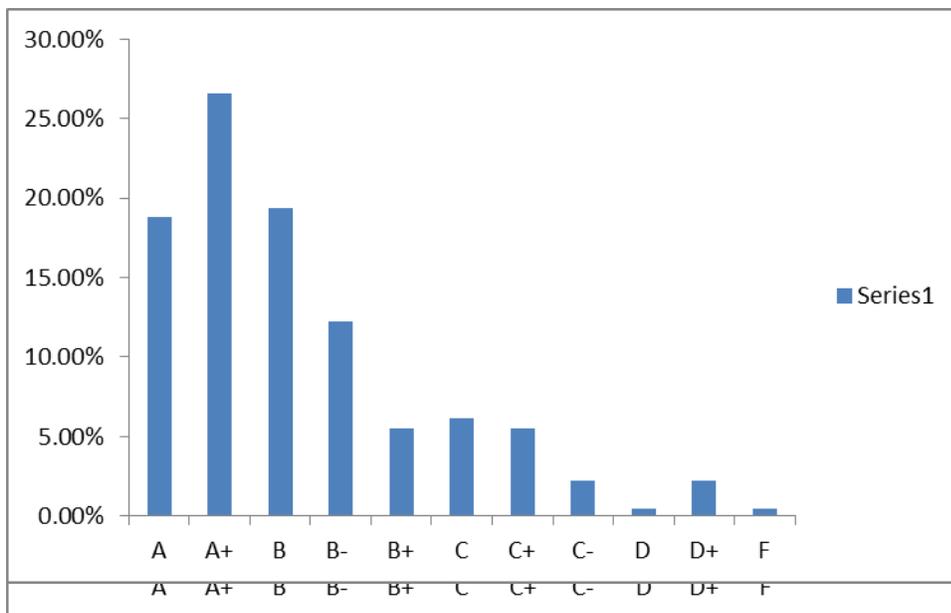
Results:

Passed: No.   Failed:  %

Grading of successful students:

A:	No.	<input type="text" value="34"/>	%	<input type="text" value="18.8"/>	A-:	No.	<input type="text" value="48"/>	%	<input type="text" value="26.6"/>
B :	No.	<input type="text" value="35"/>	%	<input type="text" value="19.4"/>	B-:	No.	<input type="text" value="22"/>	%	<input type="text" value="12.2"/>

B+:	No.	10	%	5.5	C:	No.	11	%	6.11
C+:	No.	10	%	5.5	C-:	No.	4	%	2.22
D:	No.	1	%	0.5	D+:	No.	4	%	2.22
F:	No.	1	%	0.5					



## C- Professional Information:

### 1 - Course teaching:

Topic	No of hours	Lectures
قانون مزاوله مهنة الصيدلة	2	Prof. Dr. Hanaa Elghamry
المؤسسات الصيدلانية	2	
الصيدليات العامة		
المؤسسات الصيدلانية الصيدليات الخاصة مخازن الادوية	2	
المؤسسات الصيدلانية -مجال الاتجار في النباتات الطبية	2	
المؤسسات الصيدلانية المستحضرات الصيدلانية الخاصة و المستوردة.	2	
جداول المواد المخدرة و طريقة تخزينها	3	
المواد المؤثرة على الحالة النفسية	2	Prof.Dr. Mahmoud Abdelghany
جداول المواد المؤثرة على الحالة النفسية	2	
قواعد تكليف الصيداللة	2	
قانون مكافحة المخدرات و تنظيم . استعمالها و الاتجار بها	2	

### 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:

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Method of Assessment	Percentage of total %
Written examination :(final 90%, midterm 10%)	<b>100%</b>
Total	<b>100%</b>

**Members of examination committee:**

Prof.Dr Hanaa Elghamry

Prof.Dr Mahmoud Abdelghany

**2- Teaching and learning methods:**

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

**3- Student assessment:**

Assessment method	Marks	Percentage
Midterm exam	25	25%
Written exam	75	75%
<b>TOTAL</b>	100	100%

4- Facilities and teaching materials:

Totally adequate

-

Adequate to some extent

√

Inadequate

-

List any inadequacies

-

**5- Administrative constraints:**

List any difficulties encountered:

- **Crowded schedules**

**6- Student evaluation of the course:**

Students were satisfied with the course and exam questions.

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

Comments	Response of course team
Take into account the updated references and ensure the availability of adequate copies in library	<b>Taken into consideration</b>
Improvement of self-learning by practical activities as group discussion and report writing	<b>Taken into consideration</b>

## 8- Course enhancement:

1. Progress on actions proposed for improving the course in previous course reports (if any).			
Actions recommended from the most recent course report(s)	Actions Taken	Action Results	Action Analysis
a. Measurement of ILOS	completed		
b. Providing the students with an electronic source for the course	In progress		

2. Action Plan for Next Semester/Year				
Actions Recommended for Further Improvement	Intended Action Points (should be measurable)	Start Date	Completion Date	Person Responsible
Include group discussion		2019	2020	Course team
Self-learning through activities (net & library research and class activities)		2019	2020	Course team
Revision of course content and references update		2019	2020	Course team

**Course Coordinator** : Prof. Dr. Hanaa El ghamry

Signature:

Date: 28/10 /2019