

COURSE REPORTS

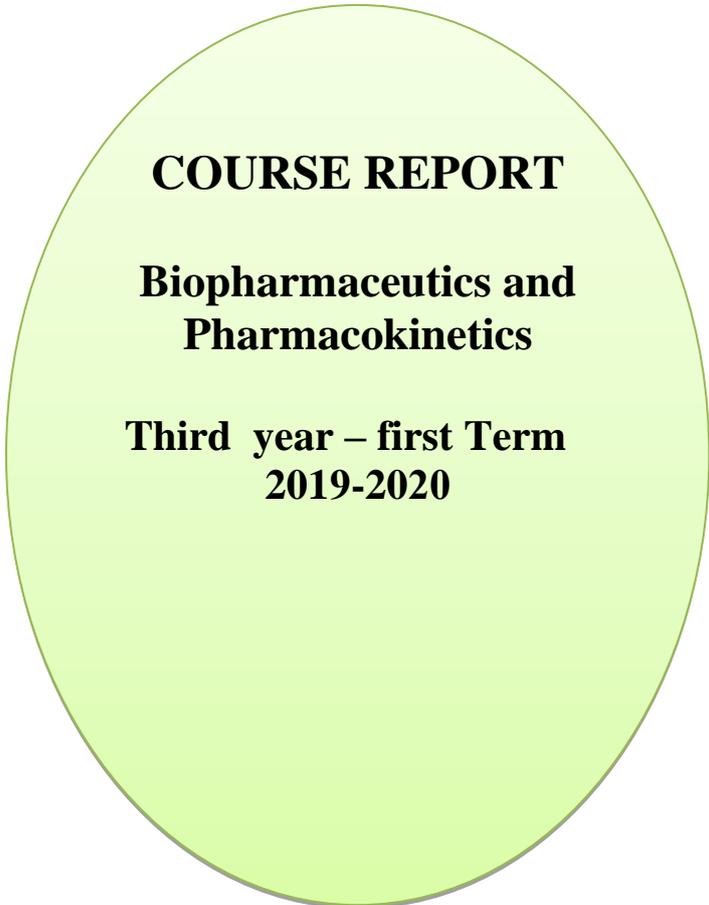
Faculty of Pharmacy

Third Year – First Term

2019-2020

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COURSE REPORT

**Biopharmaceutics and
Pharmacokinetics**

**Third year – first Term
2019-2020**

Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Pharmaceutics

A – Basic Information:

1. **Title and Code:** Biopharmaceutics and pharmacokinetics (**PC314**)
2. **Program(s) on which this course is given:** Bachelor of Pharmacy.
3. **Year / Level of programs:** Third year (first semester)
4. **Units / Credit hours:**-----

Lectures	2 hrs.	Practical sessions	2 hrs.	Total	3 hrs.
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5. **Names of lecturers contributing to the delivery of the course:**

- Prof. Dr/ Fakhr El-Din Ghazy
- Dr /Noura Eisaa

- Dr/ Eman Gomaa

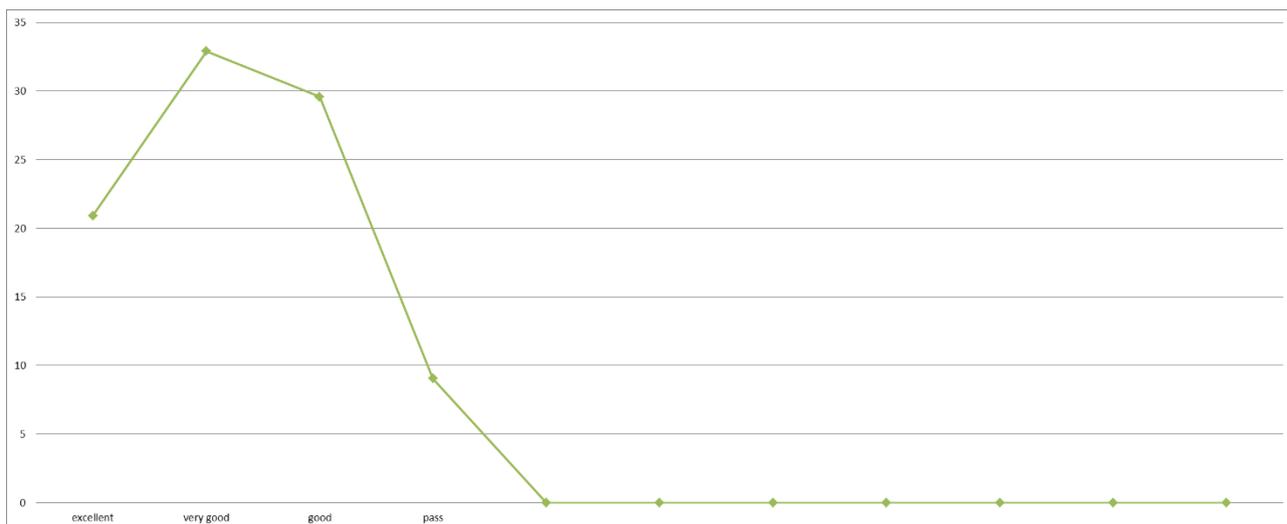
6. **Course coordinator:** Dr/Noura Eissa

7. **External evaluator:**

- Prof. Dr./ Fawziya Habeeb (Assiut University)

B- Statistical Information:

No. of students attending the course	784	100 %			
No. of students completing the course	784	100 %			
Results:					
Passed	729	92.98 %	Failed	55	7.01%
Grading of successful students:					
Excellent	164	20.09 %	Very good	258	32.9 %
Good	232	29.6 %	Pass	71	9.01%



C- Professional Information:

1- Course teaching:

Topic	No of hours	Lecturers
Order of reaction Introduction to pharmacokinetics One compartment kinetics	12	Dr Eman Gomaa
Two Compartment kinetics Drug pharmacokinetics following oral administration of solid dosage forms, Bioavailability and bioequivalence, Steady state principle	12	Dr/Noura Eissa
Distribution , Metabolism and Excretion	24	Prof. Dr Fakhr Eldin Ghazy
Revision and open discussion	8	

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	√
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:** Internet search and report preparation.

3- Student Assessment :

Method of Assessment	Percentage of total %
Final written exam	50%
midterm exam	10%
Oral examination	15%
Practical exam	20%
Other Assignments/class work	5%
Total	100%

Members of examination committee:

Written exam preparation:

- Prof. Dr/ Fakhr El-Din Ghazy
- Dr/ Noura Eissa
- Dr/ Eman Goma

Oral exam:

- Prof. Dr/ Fakhr El-Din Ghazy
- Dr/ Noura Eissa

- Dr/ Eman Goma
- Prof.Dr/ Sayed ismael (Assiut University)
- Prof. Dr Mahrous osman (Assiut University)
- Prof. Dr Gamal El maghraby (Tanta University)
- Dr/Mona farouk (Tanta University)
- Dr/Ali abd el zaher(Assiut University)
- Dr/ Yousef hagag (Tanta University)
- Prof.Dr/Manal yaseen
- Prof. Dr. Mahmoud Abd El-Ghany & hanan elnahas
- Prof.Dr. Hanaa Elghamry & Nagia elmeghrab
- Assistant Prof. Dr. Azza Ali Hassan, Shereen Sabri, Gehan balata

4- Facilities and Teaching Materials:

Totally adequate	
Adequate to some extent	√
Inadequate	

List any inadequacies:

- Crowded lecture halls.
- Lack of internet connections in labs.

5- Administrative Constraints:

- Crowded schedule
- Large students number
- Time constrains due to teaching overloads.

6- Students evaluation of the course: 75 %

Students evaluation of the course	Response of course team
Inadequate correlation between the course and market requirements	Updating the course contents to match with market requirements
Large numbers of equations and problems	Will be considered in pharm D. curriculum.

7- Comments from external evaluator(s):

Comments from external evaluator	Response of course team
Course specification and course contents are very useful to pharmacy graduates and enable them to practice the profession after graduation.	-----

8- Course Enhancement:

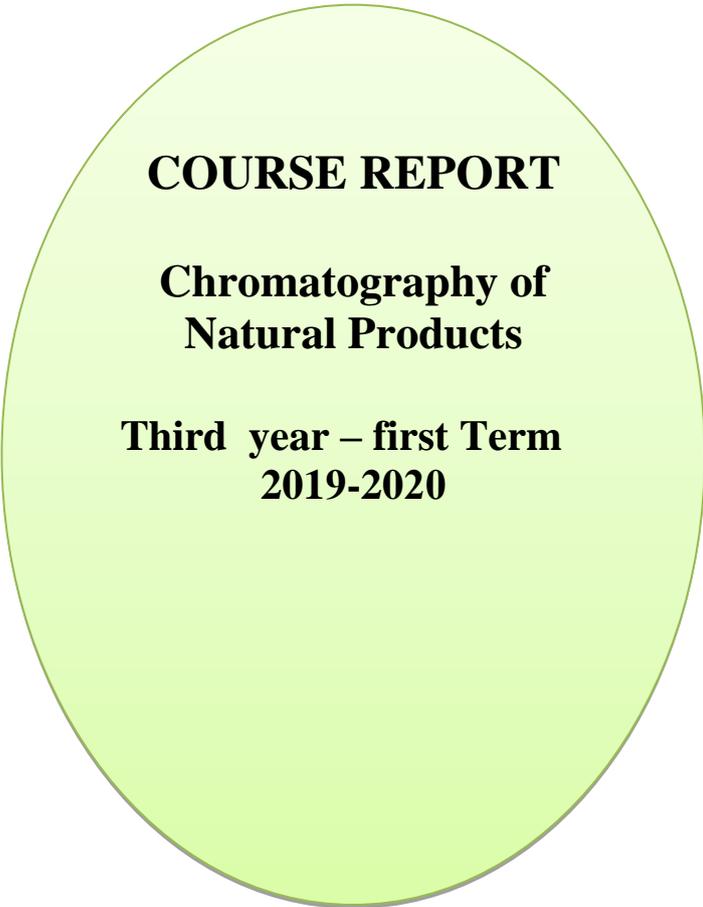
Action	Completed or not and Give reasons for any non-completion
Surprise quiz to encourage students to attend lectures regularly	Not completed (Interactive questions instead)
Addition of student activities	Completed
Improving the student book for the courses to be more attractive and interesting	Completed

9- Action plan for academic year 2020– 2021:

Action required	Completion date	Person responsible
Using additional learning and teaching methods such as group discussion to encourage students to interact effectively with lecturers.	2020– 2021	Course team
Inclusion of activity	2020– 2021	Course team
Measurement of ILOS of course	2020– 2021	Course team
Connecting taught topics with market	2020– 2021	Course team

Course Co-ordinator: Dr/ Noura Eissa

Date: Course report is approved in department council on



COURSE REPORT

**Chromatography of
Natural Products**

**Third year – first Term
2019-2020**

Annual Course Report

University: Zagazig
Pharmacognosy

Faculty: Pharmacy

Department:

Course Report

A- Basic Information

1. Title: Chromatography of Natural Products **Code:** PG 313

2. Programme(s) on which this course is given: bachelor of pharmacy

3. Year/ Level of programme: Third year /First term

4. Units/Credit hours:

Lectures	2	Tutorial/Practical	2	Total	3
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5. Names of lecturers contributing to the delivery of the course:

- Prof. Dr. Fawkeya Abdullah Abbas
- Prof. Dr. Rawya Zayed
- Ass. Prof. Dr. Gamal Dorrah
- Dr. Rasha Adel

Course co-ordinator: Prof. Dr. Fawkeya Abdullah Abbas

External evaluator: Ass.Prof. Dr/Dalia Hamdan (Vice dean of education and students, Faculty of Pharmacy, Menufia University)

B- Statistical Information

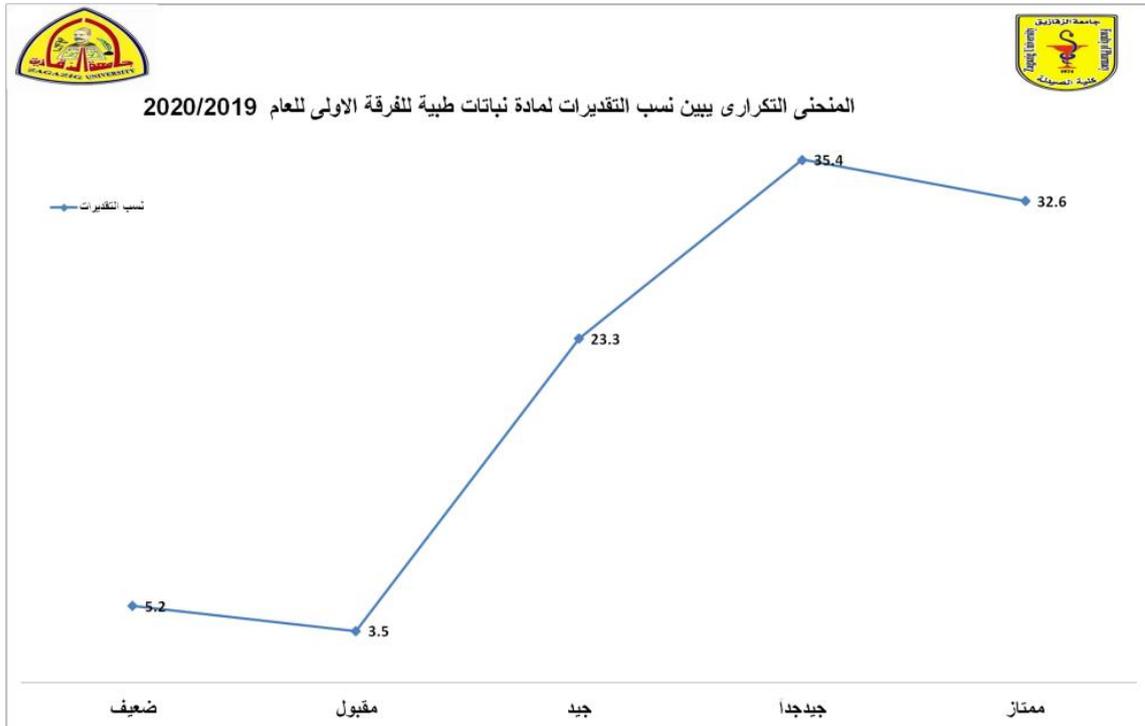
No. of students attending the course:	No.	772	%	100
No. of students completing the course:	No.	772	%	100

Results:

Passed:	No.	732	%	94.8	Failed:	No.	40	%	5.2
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Grading of successful students:

Excellent:	No.	252	%	32.6	Very Good:	No.	273	%	35.4
Good:	No.	180	%	23.3	Pass:	No.	27	%	3.5



C- Professional Information

Topics actually taught	No. of hours	Lecturer
- General procedure for extraction and purification.	4	Prof. Dr. Rawya Zayed
-Chromatography. -Introduction, classification, and terminology and mode of chromatographic separation.		
-Adsorption chromatography. -Column chromatography.	6	Prof. Dr. Fawkeya Abbas
-Thin layer chromatography and chromatotron.		
-Partition chromatography -Paper chromatography. -DCCC.		
-Non classical column chromatography. -Gas chromatography, principle, mobile phase, stationary phase.	6	Ass. Prof. Gamal Dorrah
-Gas chromatography, detectors, quantification and application.		
-HPLC, principle, mobile phase, stationary phase.		
-HPLC, detectors, quantification and application.		
-Ion exchange chromatography	6	Dr. Rasha Adel
-Gel chromatography and affinity.		
-Supercritical fluid chromatography. -Electrophoresis.		

Course teaching

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"/>
Class activity:	<input type="text" value="*"/>
Case Study:	<input type="text"/>

Other assignments/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
Final Written examination	50 %
Midterm exam	10%
Oral examination	15 %
Practical/laboratory work	20 %
Other assignments/class work	5 %

Total

100 %

Members of examination committee:

- Prof. Dr. Fawkeya Abdullah Abbas
- Prof. Dr. Rawya Zayed
- Ass. Prof. Dr. Gamal Dorrah
- Dr. Rasha adel

Oral exam:

1. أ.د. ماهر محمد على الدمياطي
2. أ.د. نوال محمد احمد فراج
3. أ.د. سميح الذهبي
4. أ.د. احسان محمود ابوزيد
5. أ.د. محمود محمد إبراهيم عبد العال
6. أ.د. سامية صلاح حافظ
7. أ.د. عفاف السيد عبد الغنى
8. أ.د. عاصم محمد الشاذلي
9. أ.د. فوقية عبد الله عباس
10. أ.د. راوية عبد الهادي
11. أ.د. أمل أمين الجندي
12. أ.د. وفاء حسن بدر
13. أ.د. جمال عبدالوهاب دره
14. أ.د. ماجد محمد ماهر أبو هاشم
15. د. سحر عبد العزيز محمد
16. د. رشا عادل عبد المنعم
17. د. إسلام مصطفى عبده
18. د. منى فكري
19. د. إيمان فكري أحمد
20. د. نورة توفيق أحمد

من الخارج:

أ.د/ أحمد زغلول

أ.د/ السيد المهدي

أ.م/ داليا حمدان أستاذ مساعد العقاقير – صيدلة المنوفية

د. محمد سالم مدرس العقاقير – صيدلة المنوفية

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

5- Administrative constraints: List any difficulties encountered

- Crowded schedule.
- Time constrains due to teaching overloads.

6- Student evaluation of the course:

**List any criticisms
course team**

Response of

Students were satisfied about the course

7- Comments from external evaluator(s):

- Course aims are very clear and linked to program aims
- Course topics are recent
- Student assessment methods are suitable
- Final exam was satisfied.

8- Course enhancement:

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

Actions recommended from the most recent course report(s)	Actions taken
provide labs with more glass wares and chemicals	Completed
Adding more recent topics to lectures as DCCC and RLCCC	Completed
Requesting sufficient amount of precoated TLC for practical exam	Completed

Action plan:

Actions Recommended for Further Improvement	Completion Date	Person Responsible
supply labs with smart screens to facilitate presenting students` activities and showing videos for different chromatographic techniques in labs	2020-2021	Head of Department
Adding a practical class for extraction and chromatographic separation of natural products in different pharmaceutical preparations from the market	2020-2021	Course team

Course coordinator: Prof. Dr. Fawkeya Abdullah Abbas

Signature:

Date: 24 / 2 / 2020

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

Signature:



COURSE REPORT

Pharmacology -1

**Third year – first Term
2019-2020**

Course Report of Pharmacology I

University: Zagazig **Faculty:** Pharmacy **Department:**
Pharmacology & Toxicology

A- Basic Information:

- 1. Title and code:** Pharmacology I (PT312)
- 2. Programme(s) on which this course is given:** Bachelor of Pharmacy
- 3. Year/ Level of programme:** Third year (First semester)
- 4. Units/Credit hours:**

Lectures Tutorial/Practical Total

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

- Prof. Dr/ Rasha Hassan Abdel Ghany
- Prof. Dr/Atef Saad Abdel Rheem
- Dr. Esraa Mohammed Naguib

6. Course coordinator: Prof. Dr/Atef Saad Abdel Rheem

7. External evaluator: Prof. Dr/ Alaa El-Sisi (Tanta University)

B- Statistical Information:

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

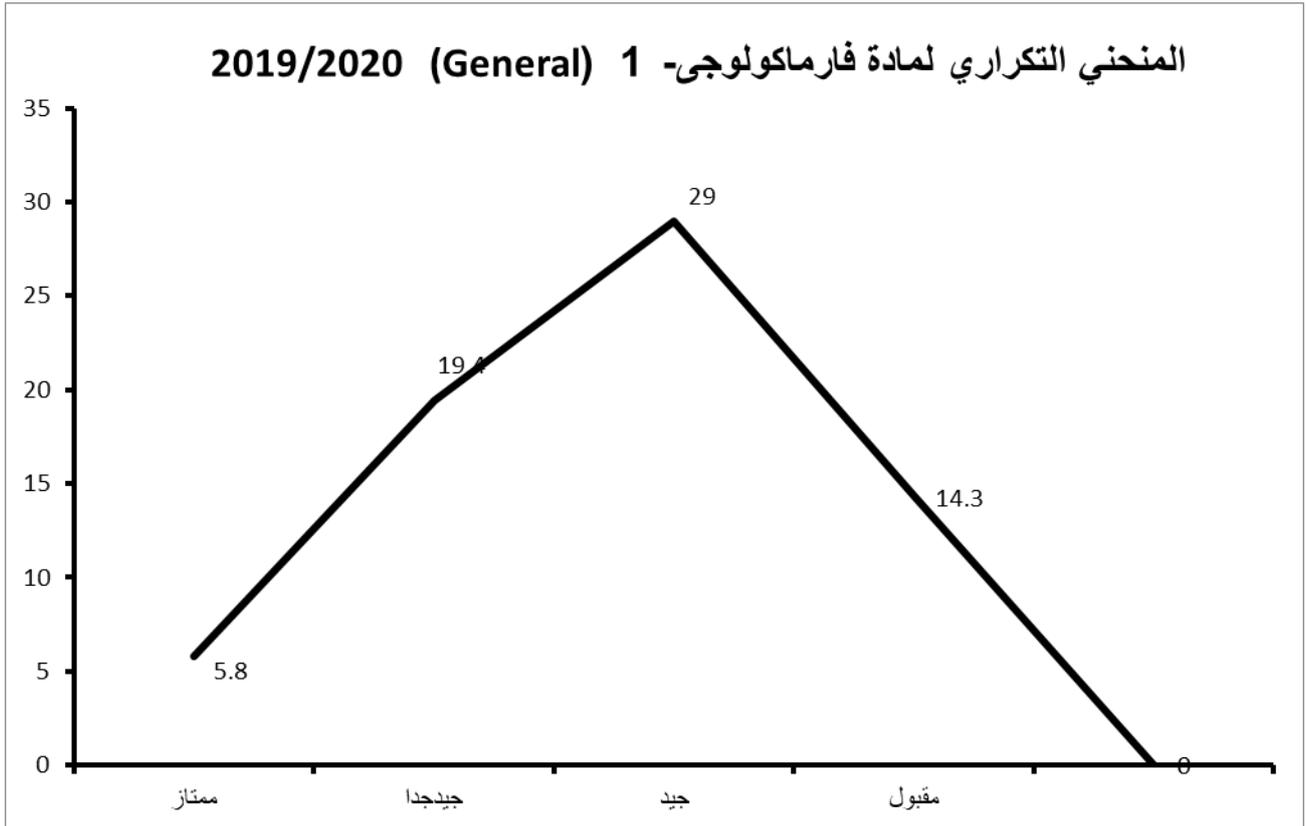
Passed: No. 8.5% Failed: %
No.

Grading of successful students:

Excellent: No. % Very Good: %
No.

Good : No. Pass:

No.



Topics actually taught	No. of hours	Lecturer
Introduction to pharmacology	3	• Prof. Dr/ Rasha Hassan Abdel Ghany
Pharmacokinetics	3	
Pharmacodynamics	3	
Drug- drug interactions	3	
Adverse drug reactions	3	
Midterm exam	3	• Prof. Dr/Atef Saad Abdel Rheem
Autonomic nervous system	3	
Autonomic nervous system	3	
Autonomic nervous system	3	
Diuretics	3	• Dr. Esraa Mohammed Naguib
Antihypertensives	3	
Arrhythmia	3	
Heart failure	3	
Angina	3	

C- Professional Information:

1 - Course teaching:

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: **self learning** (reports and group discussion)

3- Student assessment:

Assessment method	Marks	Percentage
Midterm exam	15	10%
Final written exam	75	50%
Report	10	7%
Practical exam	30	20%
Oral exam	20	13%
TOTAL	150	100%

Members of examination committee:

- Written exams preparation:

- Prof. Dr/ Rasha Hassan Abdel Ghany
- Prof. Dr/Atef Saad Abdel Rheem
- Dr. Esraa Mohammed Naguib

- Oral exam: Prof . Dr/ Rasha Abd El- Ghany, Prof.Dr/ Salah Gharieb, Prof .Dr/ Atef Saad, Prof .Dr/ Mona Fouad, Prof.Dr/ Hany El-Bassossy , Asst. Prof. Dr./ Waleed Barakat, Asst. Prof. Dr./ Shima El Shazly, Dr/ Eslam Ahmed, Dr. Esraa Naguib, Dr / Shima Samy, Dr/ Noura Ahmed, Dr/Nesreen Ibrahim.

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

✓

List any inadequacies:

5- Administrative constraints:

List any difficulties encountered:

- Crowded schedule
- Time constrains due to teaching overloads.
- No periodical maintenance for laboratory equipments.

List any inadequacies:

- Crowded lecture halls.
- Insufficient budget for laboratory chemicals

6- Student evaluation of the course:

List any criticism	Response of course team
Inadequate time for the exam	Providing a more suitable time for the exam.
The lecturers didn't encourage students for self learning and effective interaction with students	Students' reports and internet searches to develop self learning and holding open discussions between students to encourage students to interact effectively with the lecturers.
Inadequate case studies or problem solving	This will be considered in the next course specification.
The text book needs to be more linked to the topics, taught.	The text book will be updated.

7- Comments from external evaluator(s):

Comments	Response of course team
Educational simulation and video films should be used to explain and clarify practical topics that cannot be performed in lab	Will be considered next year
Modern tools and apparatus should be used to evaluate drug efficacy in lab	Will be considered next year

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. Holding two practical exams for effective evaluation of students		Not completed due to inadequate chemicals, crowded schedule and time constraints	
b. Holding midterm exam at sixth week (10% of written exam)		Completed	
c. Using additional learning and teaching methods such as group discussion to encourage students to interact effectively with lecturers		Completed	
d. Introducing interactive topics in the practical course using data show		Completed	
e. Improvement of laboratory devices: incorporation of ink levers, advanced organ baths)		Completed	

2. Action Plan for Next Semester/Year				
Actions Recommended for Further Improvement	Intended Action Points (should be measurable)	Start Date	Completion Date	Person Responsible
Holding two practical exams for effective evaluation of students		2019	2020	Course coordinator

Holding periodical exam in sixth week of each semester (10% from written exam)		2019	2020	- Faculty dean - Vice dean for education & students affairs
Updating the student book to be more attractive		2019	2020	Course team
Providing the labs with internet connections		2019	2020	- Faculty dean - Vice dean for education & students affairs
Providing the electronic source for the course & demonstrative videos		2019	2020	Course team
Measurement of ILOS of course		2019	2020	Course team

Course coordinator: Prof./ Dr./ Salah Gharieb
Signature

COURSE REPORT

Biochemistry -1

**Third year – firstTerm
2019-2020**

University: Zagazig

Faculty: Pharmacy

Department: Biochemistry

A – Basic Information:

1. **Title:** Biochemistry I **Code:** BC 310
2. **Program(s) on which this course is given:** Bachelor of pharmacy.
3. **Year / Level of programs:**Third year (first semester)
4. **Units / Credit hours:**-----

Lectures	2 hrs.	Practical sessions	2 hrs.	Total	3 hrs.
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5. **Names of lecturers contributing to the delivery of the course:**

- Prof. Dr. Hoda Elsayed
- Prof. Dr. Mervat Asker
- Dr. Gehad Elnagar

6. **Course coordinator:**

- Prof. Dr. Hoda Elsayed

7. **External evaluators:**

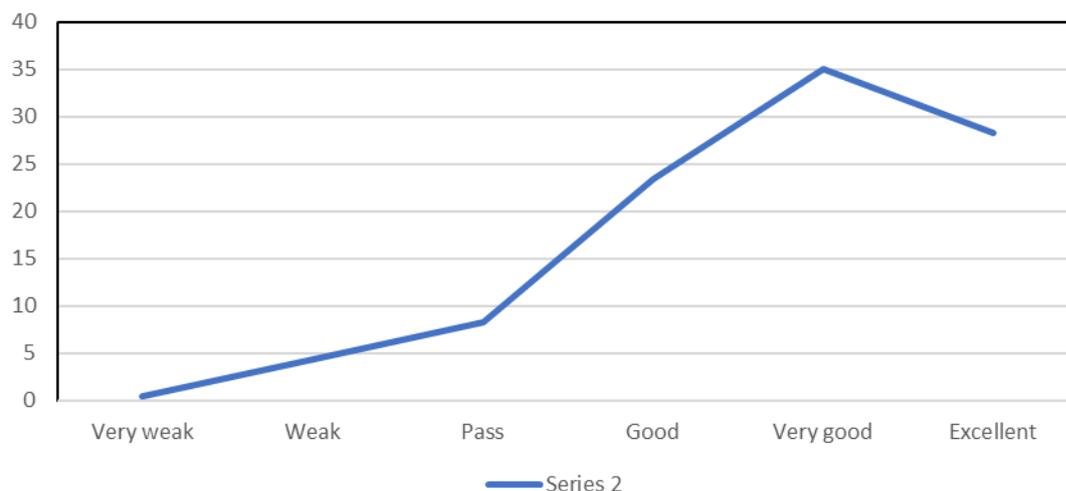
Prof. Mamdouh Elsheshtawy – Mansoura University

B- Statistical Information:

No. of students attending the course	782	100 %
No. of students completing the course	776	99.23%

Results:					
Passed	739	95.23%	Failed	37	4.77%
Grading of successful students:					
Excellent	220	28.35%	Very good	272	35.05%
Good	182	23.45%	Pass	65	8.38%

1 المنحنى التكرارى يبين نسب تقديرات النجاح في الكيمياء الحيوية
للفرقة الثالثة حديث للعام 2019-2020



C- Professional Information:

1- Course teaching:

Topic	No of hours	Lecturers
- Biological oxidation. - Substrate level phosphorylation - Oxidative phosphorylation.	2	• Dr. Gehad Elnagar
- Electron transport chain - Uncouplers - Energy gain from glucose oxidation in cells .	2	
- Structure and classification of amino acids - Acidic and basic properties of amino acids	2	
- Structure and classification of amino acids - Acidic and basic properties of	2	

amino acids		
-Enzymes structure -Properties of enzymes - Enzymes: mechanism of actions and coenzymes	2	<ul style="list-style-type: none"> • Prof. Dr. Hoda Elsayed
- Midterm exam		- Midterm exam
- Factors affecting reaction velocity - Inhibition of enzyme activity - Regulation of enzyme activity	2	<ul style="list-style-type: none"> • Prof. Dr. Hoda Elsayed
- Correlation of enzymes with diseases	2	
- Chemistry of heme -Regulation of heme metabolism and metabolic disorders.	2	
-Definition and function of lipids - Classification of lipids Distribution of lipids in the body - Types of fatty acids and essential fatty acids.	2	<ul style="list-style-type: none"> • Prof. Dr. Mervat Asker
Definition and functions of carbohydrates. Classification of carbohydrates (monosaccharaides ,disaccharides, oligosaccharides examples with structure) .	2	
Polysaccharides: examples and classification - Physical and chemical properties of carbohydrates .	2	

Revision and Open discussion	2	
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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 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	-
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 to collect some marketed products containing carbohydrates or proteins and prepare a report& presentation about the product (Name, composition, uses and role of it).

3-Student Assessment

Method of Assessment	Percentage of total %
Written examination	50%
Midterm exam	10%
Oral examination	15%

Practical / Laboratory work including Activity	20%
Other Assignments/class work	5%
Total	100%

Members of examination committee:

- Prof. Dr. Hoda Elsayed
- Prof. Dr. Mervat Asker
- Dr. Gehad Elnagar

3- Facilities and Teaching Materials:

Totally adequate	
Adequate to some extent	√
Inadequate	

List any inadequacies:

- There is no time spacing between lectures.

5- Administrative Constraints:

Insufficient budget for more laboratory equipment.

No periodical maintenance for laboratory equipment.

6- Students evaluation of the course: 80%

List any criticism	Response of course team
The course content should encourage thinking skills instead of dependent memorizing.	Holding open discussions between students to increase interaction.
The course content should be matched with the determined time .	The time will be considered.
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 .

7- Comments from external evaluator(s):

Comments from external evaluator:	Response of course team
Course content should encourage thinking skills instead of dependent memorizing	Holding open discussions between students to increase interaction.

8- Course Enhancement:

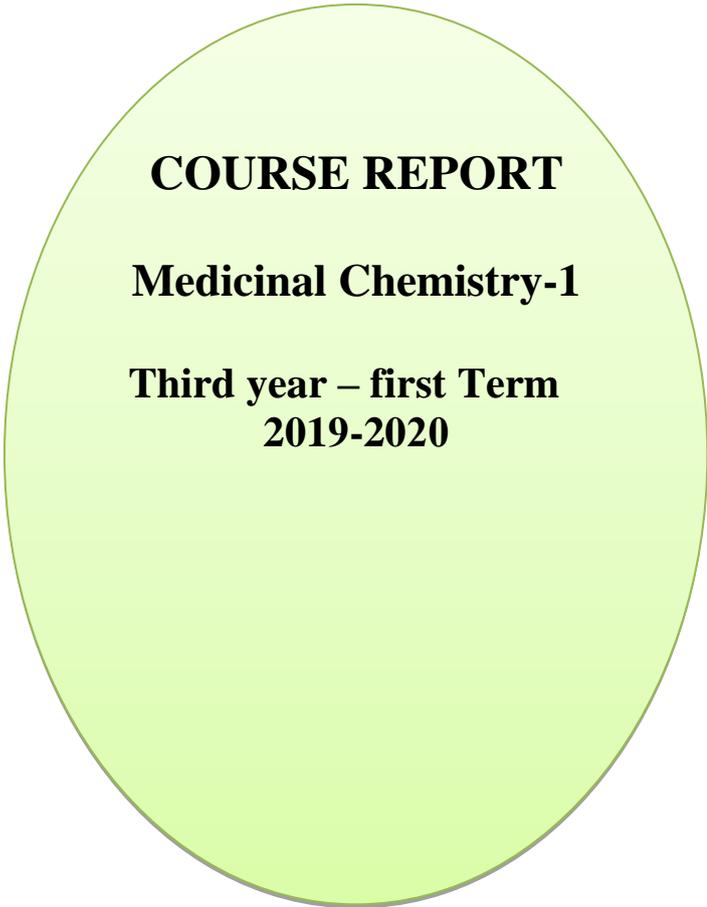
Action	State whether or not completed and give reasons for any non completion
Internet based researches to develop computer and internet communication skills.	Completed
Using additional learning and teaching methods such as group discussion to encourage students to interact effectively with lecturers.	Completed
Methods of students' assessment will include activities.	Completed

9-Action plan for academic year 2020– 2021:

Action required	Completion date	Person responsible
The course content will be presented simply and clearly.	2020-2021	Course team

- **Course Co-ordinator:** Prof. Dr. Hoda Elsayed

Date: Course report is approved in department council on 24-2-2020



COURSE REPORT

Medicinal Chemistry-1

**Third year – first Term
2019-2020**

Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Medicinal Chemistry

A – Basic Information:

1. **Title:** Medicinal Chemistry I **Code:** MC310
2. **Program(s) on which this course is given:** Bachelor of Pharmacy
3. **Year / Level of programs:** third year (first semester)
4. **Units / Credit hours:**-----

Lectures	2hr	Practical sessions	2hr	Total	3hr
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5. **Names of lecturers contributing to the delivery of the course:**

- Prof.Dr/ Abdallah El-shanawany
- Prof.Dr/Sobhy mohammed al adl
- Prof. Dr/ Lobna Mohammed Abdel Aziz
- Prof.Dr/ Mansour El-sayed Abo-kul
- Prof. Dr/ Kamel A. Metwally

6. **Course coordinator:**

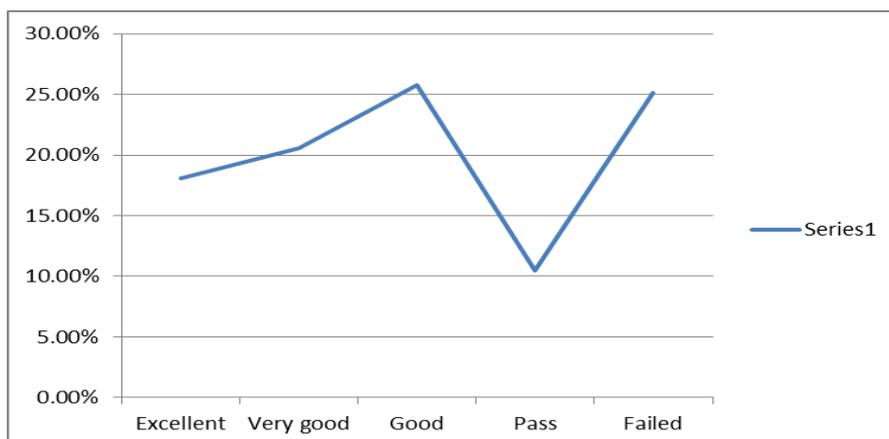
- Prof. Dr/ Kamel A. Metwally

7. **External evaluator:**

- Prof.Dr./Farghaly Abdelhamid Omar

B- Statistical Information:

Results:					
Passed	74.87%		Failed	25.13%	
Grading of successful students:					
Excellent	143	18.06%	Very good	163	20.58%
Good	204	25.76%	Pass	83	10.48%



C- Professional Information:

1- course teaching:

NO	Topic(2hr/lecture)	Lecturers
1	-Introduction to medicinal chemistry (physicochemical properties in relation to biological action). -Antiseptics& disinfectants (alcohol, aldehyde, acids, oxidizing agents)	Prof.Dr/ Abdallah El-shanawany
2	Antiseptics& disinfectants (chlorine containing compounds, phenolic compounds, cationic surfactants, dyes, nitrofurans derivatives,).	Prof. Dr. Mansour Abo-kul
3	Antiseptics& disinfectants (mercury containing compounds & floroquinolones).	
4	Sulphonamides.	
5	Antifungal agents.	Prof. Dr. Lobna Abdel Aziz
6	Antibiotics (cell wall synthesis inhibitors).	Prof.Dr.Kamel A. Metwally
7	Periodical exam	
8	Antibiotics (cell wall synthesis inhibitors).	Prof.Dr.Kamel A. Metwally
9	Antibiotics (cell wall synthesis inhibitors and cell membrane disruptors).	
10	Antibiotics (protein synthesis inhibitors and	

	nucleic acid synthesis inhibitors).	
11	Antiprotozoal agents (antiamoebic, antitrichomonal, anti giardial agents, antileishmanial & antitrypanosomal agents).	Prof.Dr/Sobhy el adl
12	Antimalarials (4-amino quinolines, 8-aminoquinolines, acridine derivatives, biguanides & pyrimidine derivatives).	
13	Anthelminitics (drugs active for nematodes & cestodes).	
14	Anthelminitics (drugs active for trematodes & antibelharzials).	

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	√
Practical Training / Laboratory	√
Seminar / Workshop	-
Class activity	√
Case study	√
Other Assignments/class work	√

- **If teaching and learning methods were used other than those specified, list and give reasons:** Internet based researches to develop self learning skills as well as computer and internet skills.

3- Student Assessment :

Method of Assessment	Percentage of total %
Written exam	50%
Oral examination	15%
Practical exam	20%
Mid term exam	10%
Activity	5%
Total	100%

Members of examination committee:

- Prof.Dr/ Abdallah El-shanawany
- Prof.Dr/Sobhy mohammed al adl
- Prof. Dr/ Lobna Mohammed Abdel Aziz
- Prof.Dr/ Mansour El-sayed Abo-kul
- Prof. Dr/ Kamel A. Metwally

4- Facilities and Teaching Materials:

Totally adequate	
Adequate to some extent	√
Inadequate	

List any inadequacies: ---

5- Administrative Constraints:

- Space constraints due to large number of students

6- Students evaluation of the course:

Students evaluation of the course	Response of course team
-Students complain that there is no textbook for the course.	-A textbook will be printed for the course.
-The number and content of the questions doesn't match the exam time.	-That will be taken into account.

7- Comments from external evaluator(s):

Comments from external evaluator:	Response of course team
<ul style="list-style-type: none"> The course is well designed and intended learning outcomes are properly written, clear and can be measured but suggest modifying the practical content of the course 	-That will be taken into account the next year.

8- Course Enhancement:

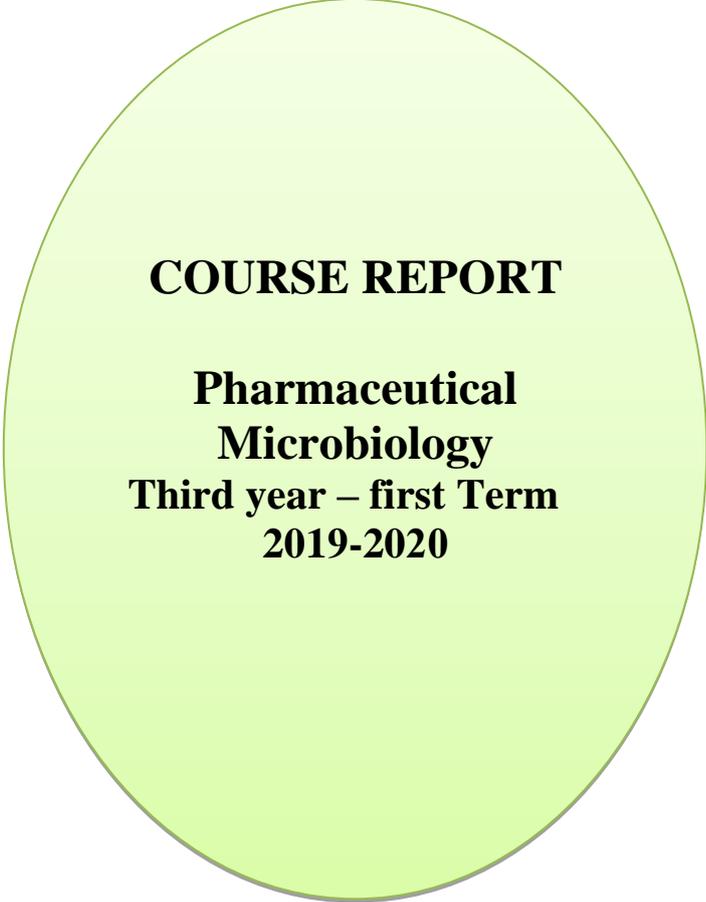
Action	State whether or not complete & give reasons for any non completion
Holding two practical exams for better evaluation of students	Not completed due to overcrowding of practical sessions schedule
Measurement of ILOS of course	Accomplished
Activating the faculty council decision by adopting a new mechanism for oral exam and using balanced question cards	Accomplished

9- Action plan for academic year 2020– 2021:

Action required	Completion date	Person responsible
-Modifying the practical content of the course and providing the required chemicals.	2020 – 2021	Course team
Using additional learning and teaching methods such as group discussion to encourage students to interact effectively with lectures	2020 – 2021	Course team

- **Course Coordinator:** Prof.Dr/ Kamel A. Metwally

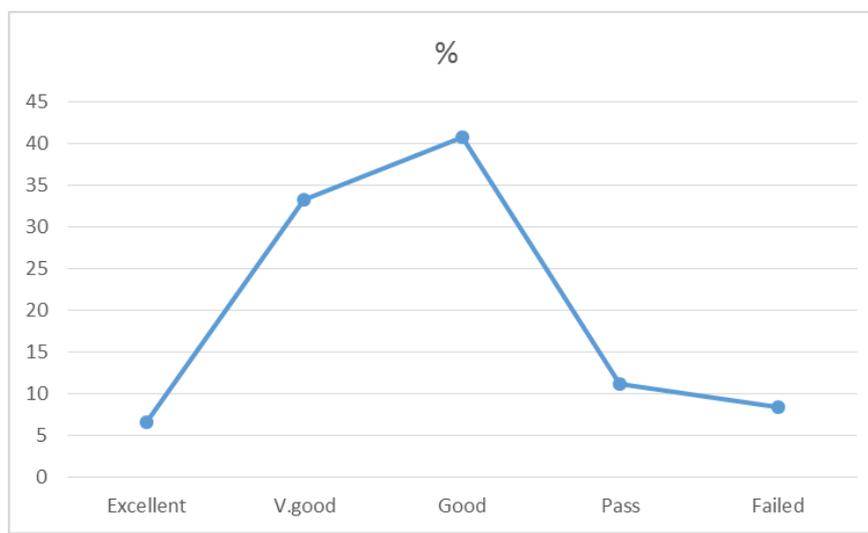
Signature:



COURSE REPORT

**Pharmaceutical
Microbiology
Third year – first Term
2019-2020**

Good	321	40.7%
Pass	88	11.2 %
Failed	66	8.4 %



C- Professional Information:

4- course teaching:

Topics actually taught	No. of hours	Lecturer
Sterilization	9	Prof. Dr/ Fathy Serry
Disinfectants and antiseptics	8	Dr/ Nehal El- Sayed
Antimicrobial agents	9	Prof. Dr/ Ghada Hamed Shaker

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: -----**

5- 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:**

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

6- Student Assessment :

Method of Assessment	Percentage of total %
Written examination	50%
Oral examination	15%
Practical / Laboratory work	20%
Activity	5%
Midterm Exam	10%
Total	100%

Members of examination committee:

- Prof. Dr/ Fathy Serry.
- Prof.Dr/ Ghada Hamed Shaker .
- Dr/Nehal El-Sayed.

7- Facilities and Teaching Materials:

Totally adequate	
Adequate to some extent	√
Inadequate	

List any inadequacies:

- Inadequate ventilation and lightening system in lecture halls
- Insufficient Lab tools(Chemicals and microscopes)

8- Administrative Constraints:

- Crowded schedule.
- No periodical maintenance for laboratory equipment

6- Students evaluation of the course:

Students evaluation of the course	Response of course team
Inconvenient study hours. (63%)	Addressing faculty dean for students' affairs to extend library hours.

7- Comments from external evaluator(s):

Comments from external evaluator:	Response of course team
The course content is suitable for the overall aims of the course	-

8- Course Enhancement:

Action	State whether or not completed and give reasons for any non-completion
Surprise quiz to encourage students to attend lectures regularly	Completed
Self learning through activities (group discussion, net research)	Completed
Supply the laboratories with data show as interactive learning tool	Completed

9- Action plan for academic year: 2020– 2021

Action required	Completion date	Person responsible
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Self learning through activities (group discussion, net research)	2020/2021	Course team
Surprise quiz to encourage students to attend lectures regularly	2020/2021	Course team

Course Coordinator: Prof. Dr/ Fathy Serry.

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

Date: / / تم مناقشة و اعتماد توصيف المقرر من مجلس القسم بتاريخ