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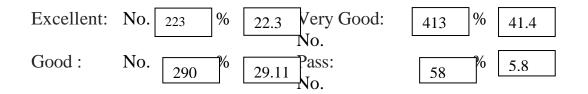
COURSE REPORT

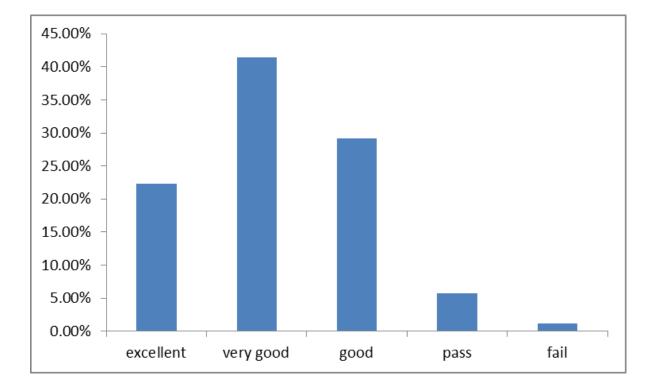
Sterile Products and Controlled Drug Delivery Systems

Third year – secondTerm 2018-2019

Annual Course Report

University: Zagazig Pharmaceutics	Faculty: Pharmacy	Department:
Course Report		
A- Basic Information 1. Title: Sterile Products	and Controlled Drug Delive	ry Systems Code:
PC325		
2. Programme(s) of Pharmacy	n which this course	is given: Bachelor of
3. Year/ Level of prog	gramme: Third year/Seco	ond semester
4. Units/Credit hours:		
Lectures 2hr/week 7	Sutorial/Practical 2hr/w	eek Total 3hr/week
5. Names of lecturers Prof. Dr/ Samer Abo Prof.Dr Gehan Fathy Dr/ Eman Gomaa		very of the course:
Course co-ordinator: Prof.	Dr Gehan Fathy	
External evaluator University)	: Prof.Dr Fawzya Habeb	(Mansoura
B- Statistical Information		
No. of students attend course:	ding the	No. 996 % 100
No. of students comp course:	bleting the	No. 996 % 100
Results:		
Passed: No. 982	4 % 98.7 Failed: No.	12 % 1.2
Grading of successfu	l students:	





C-Professional Information

1 - Course teaching

Topics actually taught	No. of hours	Lecturer
 Introduction to drug delivery systems Advantages & disadvantages of delayed release dosage forms Enteric coating Colon specific drug delivery 	2	Dr. Eman Gomaa
 Gastroretentive drug delivery systems Diffusion based sustained release dosage forms Bioerodible sustained release dosage forms Osmotic pressure activated controlled drug delivery Targeted release dosage forms 	2	
Liposomes	2	_
Niosomes	2	_
Microemulsion	2	
 Introduction to parentral preparations Advantages & disadvantages of parenterals Requirements for parenteral preparations Routes of parenteral administration Classification of parenteral preparations 	2	Assis. Prof. Gehan Fathy
Sterilization techniques moist heat, dry heat, radiation, gas and filtration	2	
Formulation of parentrals	2	
 Packaging of parentrals. Quality control tests of parentral preparations 	2	
Ophthalmic preparations	2	
Aerosols	2	Prof. Sameer Abu Zeid

Topics taught as a percentage of the content specified:

>90%

 $\sqrt{}$

70-90%

<70%

Method of Assessment	Percentage of total %
Midterm exam	10%
Final Written examination	50%
Oral examination	15%
Practical exam	20%
activity	5%
Total	100%

Members of examination committee:

Prof. Dr/ Samer Abozeid, Prof.Dr Gehan Fathy, Dr/ Eman Gomaa, Prof.Dr Hanan Elnahas, Prof. Dr Mahmoud Abdelghany, Prof. Dr Nagia Ahmed Alamen, Prof . Dr Hanaa Elghamry,

Prof. Dr/ Fathy Ibrahim Abdalla (Al-Azhar Universit)

Dr/ Sayed Mohammed Ahmed (Assiut University)

Prof. Dr Fawzya Habeb (Assuit University)

Prof. Dr Gamal El maghraby (Tanta University)

Prof. Dr Osama Abdelazeem (Mansoura University)

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:	\checkmark
Seminar/Workshop:	
Class activity:	√
Case Study:	
-	

Other assignments/homework:

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

(Students were asked to prepare evidence based assignment report about

sterile marketed products containing different controlled delivery systems)

4- Facilities and teaching materials:

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

5- Administrative constraints

List any difficulties encountered

- large number of students makes difficulty during implementing interactive teaching

6- Student evaluation of the course:	Response of course team
1-Inadequate correlation between the course and market requirements	- Sterile products and controlled drug delivery is an important topic in the science of formulation of dosage forms
2- Improvement of the practical sessions	- Calculations involved in compounding of parentral solutions are very important for future work in IV unit

7- Comments from external evaluator(s): Response of course The course is properly designed And ILOs are properly phrased and can Be measured.

8- Course enhancement:

Progress on actions proposed for improving the course in previous course reports (2017-2018).				
Actions Recommended for Further ImprovementIntended Action Points (should be measurable)		Start Date	Completion Date	Person Responsible
 add part for self learning and assess students through 5 min presentation specify some topics for self learning divide the students into groups ask each group to select a topic for study and prepare a report 		Feb	April	 Course coordinator demonstrators

9- Action plan for academic year 2019 - 2020

Action required	Completion date	Person responsible
Using additional learning and teaching methods such as group discussion to encourage students to interact effectively with lecturers.	2019/2020	Course team
Addition of activity regarding application of the theoretical part through collection of marketed products and writing reports discussing their formulation properties, ingredients and use	2019/2020	Course team
Measurement of ILOS of course	2019/2020	Course team

Course coordinator: Prof Dr Gehan Fathy

Signature:

Date:

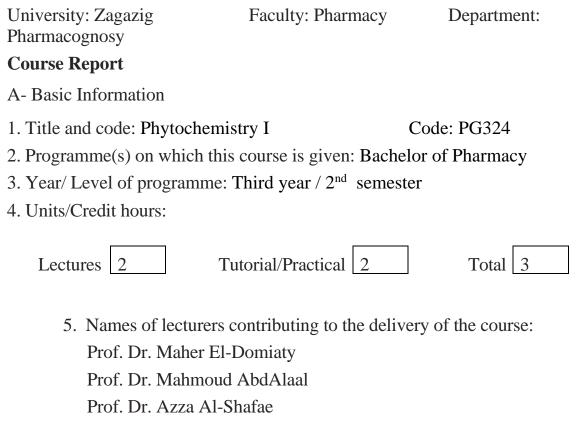
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COURSE REPORT

Phytochemistry-1

Third year – secondTerm 2018-2019

Annual Course Report (2018-2019)



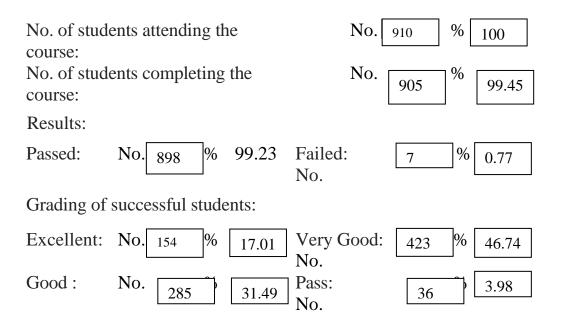
Prof. Dr. Fawkeya Abbas

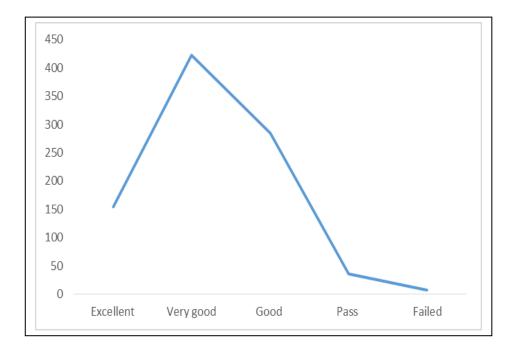
A Prof. Maged Abou-Hashem

Dr. Islam Mostafa

Course co-ordinator: Prof. Dr. Mahmoud AbdAlaal External evaluator: Prof. Dr. Hesham El-Askary

B- Statistical Information





C-Professional Information

1 - Course teaching

	r	
Topics actually taught	No. of hours	
Glycosides	2	Prof. Dr. Mahmoud AbdAlaal
Classification, isolation and	2	
properties		
Glycosides	2	Prof. Dr. Mahmoud AbdAlaal
Phenolic glycosides,	2	
cyanogenic glycosides,		
thioglycosides		
Glycosides	2	Prof. Dr. Maher El-Domiaty
Cardiac glycosides	2	1101. DI. Muller Li Dollinaty
Glycosides	2	Dr. Islam Mostafa
Flavonoids and coumarins		
Glycosides	2	Prof. Dr. Mahmoud AbdAlaal
Anthraquinones, saponins and	2	
miscellaneous glycosides		
Tannins and antioxidants	2	Dr. Islam Mostafa
Carbohydrates	2	A Prof. Maged Abou-Hashem
Definition, classification,	2	
properties, evaluation, drugs		
containing carbohydrates		
Carbohydrates	2	A Prof. Maged Abou-Hashem
Heteropolysaccharides and	_	
holopolysaccharides		
Bitter principals	2	Prof. Dr. Azza Al-Shafeay
Minerals	2	Prof. Dr. Azza Al-Shafeay
Natural carotenoids	2	A Prof. Maged Abou-Hashem
Resins and resin	2	Prof Dr. Fawkeya Abbas
combination		

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:	\checkmark
Practical training/ laboratory:	\checkmark
Seminar/Workshop:	
Class activity:	\checkmark
Case Study:	

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
Midterm written exam	10%
Practical exam	20%
Activity	5%
Final written exam	50%
Oral exam	15%
TOTAL	100%

Members of examination committee

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4- Facilities and teaching materials:

Totally adequate	-
Adequate to some extent	\checkmark
Inadequate	-
List any inadequacies	-

5- Administrative constraints

List any difficulties encounte	red
- Lack of rotary evaporator	- Poor internet.
6- Student evaluation of the course: team	Response of course
List any criticisms	
-Students required improvement in	Will be improved next year
theoretical and practical notes.	
-Poor network.	Will contact the IT unit

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

Response of

-List of references must be updated into consideration

Will be taken

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 requiredCompletion datePerson responsibleImprovement of course bookSep. 2019Prof.Mahmoud AbdAlaalUsing illustrative videosSep. 2019Dr. Islam MostafaRenew of the practical scheduleContinuous evaluation for the studentsduring 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

Pharmacology -2

Third year – secondTerm 2018-2019

Course Report of Pharmacology II

University: Zagazig **Faculty:** Pharmacy **Department:** Pharmacology and toxicology

A- Basic Information:

- 1. Title and code: Pharmacology II PT323
- 2. Programme(s) on which this course is given: Bachelor of Pharmacy
- 3. Year/ Level of programme: Third year (second semester)
- 4. Units/Credit hours:

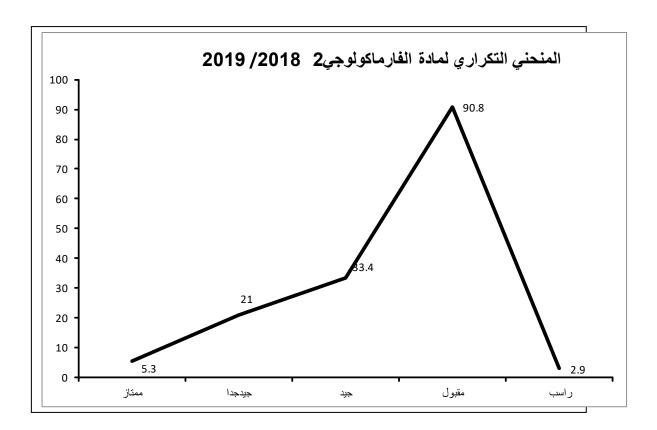
Lectures 2 hrs	Tutorial/Practical	2 hrs	Total	3hrs
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5. Names of lecturers contributing to the delivery of the course:

- Prof.Dr/ Rasha Hassan Abdel Ghany
- Ass. Prof.Dr. Shimaa Mostafa El Shazly
- 6. Course coordinator: Ass. Prof.Dr. Shimaa Mostafa El Shazly
- 7. External evaluator: Prof.Dr/ Alaa El-sissy (Tanta University)

B- Statistical Information:

course:	tudents attending the tudents completing the	No. 996 % 100 No. 996 % 100
Re	sults:	
Passed:	No. 964 % 96.78	Failed: 26 % 2.9 No.
Grading of	successful students:	
Excellent:	No. 53 % 5.3	Very Good: 210 % 21 No.
Good :	No. 333 33.4	Pass: 905 90.8



C-Professional Information:

1 - Course teaching:

Topics actually taught	No. of hours	Lecturer
• Degenerative disorders and spasticity.	2	
 Drugs used for treatment of anxiety and sleep disorders. Treatment of depression and mania. Drugs used for treatment of mania and bipolar disorder 	2	Prof. Dr/ Rasha Hassan Abdel Ghany
• Drugs used for treatment of psychosis and anxiety.	2	
• Antiepileptic drugs.	2	
• Pain control with general and local anaesthetics.	2	
• Central nervous system	2	

stimulants.		
• Midterm exam	2	
Anti hyperlipidemic drugs	2	Ass. Prof.Dr. Shimaa
• Drugs used in coagulation and bleeding disorders.	2	Mostafa El Shazly
• Autacoids	2	
• Anti-inflammatory, antipyretic and analgesic agents.	2	
Respiratory system pharmacology.	2	
• Gastrointestinal pharmacology.	2	
• Drugs used for treatment of anemia	2	
• Hematopoietic growth factors.		
• Revision and open discussion	2	

Topics taught as a percentage of the content specified:

>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:	\checkmark
Practical training/ laboratory:	
Seminar/Workshop:	-
Class activity:	\checkmark
Case Study:	_

Other assignments/homework: $\sqrt{}$

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	10	10%
Final written exam	50	50%
report	5	5%
Practical exam	20	20%
Oral exam	15	15%
TOTAL	100	100%

Members of examination committee:

- Written exams preparation: Prof. Dr/ Rasha Hassan Abdel Ghany Ass.Prof / Shimaa El shazly

- Oral exam: Prof.Dr/ Salah Gharieb, Prof .Dr/ Rasha Abd El-Ghany, Prof .Dr/ Mona Fouad, Prof.Dr/ Hany El-Bassossy , Ass. Prof/ Shimaa El Shazly, Dr/Nesreen Ibrahim , Dr/ Noura Ahmed , Dr / Shimaa Samy

4- Facilities and teaching materials:

Totally adequate
Adequate to some extent
Inadequate
List any inadequacies:
a 111

• Crowded lecture halls.

\checkmark

• Insufficient budget for laboratory chemicals.

5- Administrative constraints:

List any difficulties encountered:

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

6- Student evaluation of the course:

List any criticism	Response of course team
The course didn't encourage students to think rather than accept and memorize facts (55.8%)	Case studies will be considered in the next specification to encourage thinking
The course content is not proportional to the specified time (69.8)	This will be considered in the next course specification.
The course didn't give an opportunity to develop students' self-learning skills (55.8%)	Students' reports and internet searches to develop self learning and holding open discussions between students to encourage students to interact effectively with the lecturers.

7- Comments from external evaluator(s):

Comments
The course is well designed and measurable
ILOS are properly phrased

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
Holding two practical exams for effective evaluation of students	Not completed due to inadequate chemicals, crowded schedule and time constraints		

Using additional learning and teaching methods such as group discussion to encourage students to interact effectively with lecturers	Completed	
Introducing interactive topics in the practical course using data show	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
Updating the course content to fit the specified time and adding case studies to		2019	2020	Course team
encourage students to think		2010	2020	Course to ore
Update course content to develop self-learning and hold open discussions between students to encourage students to interact effectively with the lecturers.		2019	2020	Course team
Providing the labs with internet connections		2019	2020	- Faculty dean - Vice dean for education & students affairs
Measurement of ILOS of course		2019	2020	Course team

• Course coordinator: Ass. Prof.Dr. Shimaa Mostafa El Shazly

Signature:

Date:

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COURSE REPORT

Biochemistry -2

Third year – secondTerm 2018-2019

Annual course report

University: Zagazig

Faculty: Pharmacy

Department: Biochemistry

<u>A – Basic Information:</u>

- **1. Title and Code:** Biochemistry II BC321
- 2. Program(s) on which this course is given: Bachelor of Pharmacy
- 3. Year / Level of programs: third year (second term)
- 4. Units / Credit hours:-----

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

- Prof. Dr. Rawia Sarhan
- Prof. Dr. Sahar El- Sewefy
- Prof. Nahla Younis
- 6. Course coordinator:
 - Prof. Nahla Younis

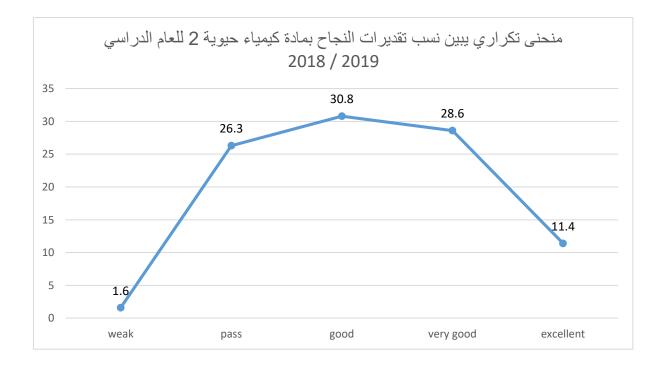
7. External evaluators:

• Prof. Dr. Nahla El-Ashmawy (Tanta University)

B- Statistical Information:

No. of students attending the course	1000	100%
No. of students completing the course	996	99.6%

Results:					
Passed	987	98.7%	Failed	9	0.9%
Grading of	successful s	students:			
Excellent	114	11.4%	Very good	285	28.6%
Good	307	30.8%	pass	262	26.3%
weak	16	1.6%			



<u>C-Professional Information</u>:

1- Course teaching:

Торіс	No of hours	Lecturers
- Carbohydrates digestion and	3	
absorption		
- Metabolism of mono and		
disaccharides		
- Glycolysis (Reactions, steps and		
regulation)		
- Gluconeogenesis (Reactions and		
regulation)	3	
- Tricarboxylic acid cycle		Prof. Nahla Younis
(Reactions, regulation and		
calculation of energy produced)		
- HMP shunt (Reactions and	3	
functions)		
- Uronic acid pathway (Reactions)		
- Glycogen metabolism	3	
- Glycogenesis regulation		
- Glycogenolysis regulation		

Disaction and abcomption of limida	3	
- Digestion and absorption of lipids	3	
- Oxidation of fatty acids		
-Periodical exam		
- Lipogenesis	3	Prof. Dr. Rawia Sarhan
- Lipolysis in adipose tissues.		1101. DI. Kawia Saman
- Phospholipid metabolism		
- Ketone bodies metabolism	3	
- Self-learning activities		
- Cholesterol metabolism	3	
-Lipoproteins metabolism		
- Self-learning activities		
- Protein turnover	3	
- Digestion and absorption of		
dietary proteins.		
- Nitrogen metabolism		
- Transamination		
- Deamination	3	Drof Dr. Scher El. Servefy
-Transdeamination		Prof. Dr. Sahar El- Sewefy
- Metabolism of ammonia		
- Urea cycle		
- Self-learning activities		
- Conversion of amino acids to	4	
specialized products		
- Metabolic correlation associated		
with some diseases		
-Revision and activity presentation	2	
session		

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 (report and presentation)	
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.

3- Student Assessment

Method of Assessment	Percentage of total %
Midterm examination	10%
Final written examination	50%
Oral examination	15%
Practical / Laboratory work including Activity	25%
Total	100%

Members of examination committee:

- Prof. Dr. Rawia Sarhan
- Prof. Dr. Sahar El- Sewefy
- Prof. Nahla Younis

4- Facilities and Teaching Materials:

Totally adequate	
Adequate to some extent	
Inadequate	

List any inadequacies:

• Insufficient chemicals.

5- Administrative Constraints:

• Too many students.

6- Students evaluation of the course:

List of any criticism	Response of course team
 Students are satisfied about all aspects of the exam. The lecture should be longer and should include a break. The course and its book need to be simplified. 	 The lecture is 3 hours with a 10 -minute- break. Course content will be revised and modified if needed.

7- Comments from external evaluator(s):

Comments from external evaluator:	Response of course team
• The course is well designed and objectives are phrased properly.	
• References should be updated.	• References are up to date.

8- Course Enhancement:

Action	State whether or not completed and give reasons for any non completion
• New topics should be included	completed
next year.	

9- Action plan for academic year 2019–2020:

Action required	Completion date	Person responsible
• References should be updated.	2019–2020	Course team

Course Co-ordinator: Prof. Dr. Nahla Younis

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

COURSE REPORT

Parasitology and Pathology

Third year – secondTerm 2018-2019

Course Report of Parasitology & Pathology

University: Zagazig	Faculty: Pharmacy	Department:
microbiology & immunology		

A- Basic Information:

- 1. Title and code: Parasitology MI322
- 2. Programme(s) on which this course is given: Bachelor of Pharmacy
- 3. Year/ Level of programme: third year (second term)
- 4. Units/Credit hours:

Lectures 2 hrs

Tutorial/Practical 1 hr

Total 2.5 hrs.

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

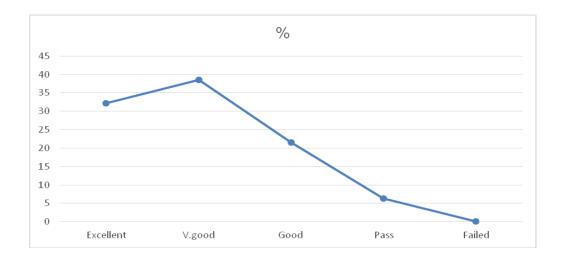
- Prof. Dr/ Ghada Hamed Shaker.
- Dr /Moamen Mahmoud Ezz ELarab

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

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

B- Statistical Information:

course:	ents attending the ents completing the	No.		% 100 % 100
Results:				
Passed:	No. 995 %100	Failed: No.	1	% 0.1
Grading of	successful students:			
Excellent:	No. 322 % 32.	3 Very Good: No.	384	% 38.6
Good :	No. 214 2	1.5 ass:	63	6.3



C-Professional Information:

1 - Course teaching:

Topics actually taught	No. of hours	Lecturer
General introduction	3	Prof. Dr/ Ghada
Trematodes	5	Hamed Shaker
Cestodes	5	Dr / Moamen
Nematodes	5	Mahmoud
Protozoology	6	Ezz_ELarab
Entomology	2	
Revision	2	
Open discussion	2	

Topics taught as a percentage of the content specified:

>90%

 $\sqrt{}$

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:	<u>م</u> /
Seminar/Workshop:	-
Class activity:	-√
Case Study:	-

Other assignments/homework:

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

Assessment method	Marks	Percentage
Midterm exam	10	10%
Final written exam	50	50%
Activity (report)	5	5%
Practical practice & exam	20	20%
Oral exam	15	15%
TOTAL	100	100%

3- Student assessment:

Members of examination committee

written exam

- Prof. Dr/ Ghada Hamed Shaker.
- Dr / Moamen Mahmoud Ezz ELarab

Oral Exam

- Prof. Mona Abdelmoneam
- Prof. Ashraf Kadry
- Prof. Dr/ Fathy Serry

- Prof Dr/ Ghada Hamed Shaker
- Prof.Dr/Nehal Elsayed Youssef
- Ass. Prof. Amira El-Ganiny
- Ass. Prof. Hisham Abbas
- DR./ Momen Mohamoud

Evaluation of course content and final exam :

4- Facilities and teaching materials:

Totally adequate
Adequate to some extent
Inadequate
List any inadequacies:

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Insufficient Lab tools (slides and equipments)

5- Administrative constraints:

List any difficulties encountered.

• No periodical maintenance for laboratory equipment

6- Student evaluation of the course:

List any criticism	Response of course team		
Internet services are inadequate	Addressing faculty dean to		
	enhance internet services		
	Addressing faculty dean for		
Inconvenient library hours	students' affairs to extend library		
	hours.		
	-Calling faculty administration to		
Text books for the course in the	provide the library with		
library are not sufficient and	additional copies of textbooks.		
difficult to be borrowed from the			
library	-Addressing the faculty Vice Dean		
	for student affairs to make it easy		
	for the students to borrow books		
	from the library		

7- Comments from external evaluator(s):

Response of course team	
-	
-	
-	

8- Course enhancement:

Actions recommended from the most recent course report(s)	Actions Taken
Self -learning through	
activities (group discussion, net research)	done

9- Action plan for academic year 2019 - 2020

	Completion	Person Responsible
Actions Recommended for Further	Date	
Improvement		
Self-learning through	2020	Course team
activities (group discussion,		
net research)		
Revising the course content	2020	Course team
and update it to be suitable		
with teaching hours		

Course Coordinator: Prof. Dr/ Ghada Shaker

Head of Department: Prof. Dr. Nehal Elsayed Youssef

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

COURSE REPORT

Medicinal Chemistry-2

Third year – secondTerm 2018-2019

University: Zagazig

Faculty: Pharmacy

Department: Medicinal Chemistry

<u>A – Basic Information:</u>

- **1. Title:** Medicinal Chemistry II **Code:** MC321
- 2. Program(s) on which this course is given: Bachelor of Pharmacy.
- 3. Year / Level of programs: third year (second 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/ Lobna Mohammed Abdel Aziz
- Prof.Dr/ Abdallah El-shanawany
- Prof. Dr/ Kamel Metwally
- Prof.Dr/Sobhy mohammed al adl
- Dr.Mahmoud sebaiy

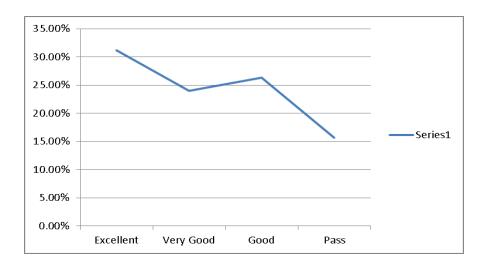
6. Course coordinator:

Prof.Dr/ Abdallah El-shanawany

External evaluator: -----

<u>B- Statistical Information:</u>

Results:						
Passed97.2%Failed2.8%						
Grading of successful students:						
Excellent	315	31.2 %	Very good	243	24 %	
Good	266	26.3 %	Pass	159	15.7 %	



<u>C- Professional Information</u>: 1- course teaching:

NO	Topic(2hr/lecture)	Lecturers
1	Antimycobacterium agents.	Dr/ Mahmoud
2	Diuretics.	sebaiy
3	Oral Hypoglycemic agens.	Prof. Dr. Lobna Abdel Aziz
4	Antineoplastic agents (Alkylating agents, antimetabolites).	Prof.Dr/Sobhy
5	Antineoplastic agents (antimetabolites, hormones).	el adl
6	Antiviral agents (host cell penetration inhibitors and nucleic acid inhibitors).	Prof/ Kamel Metwally
7	Antiviral agents (protein inhibitors).	
8	Antianginal agents.	
9	Antiarryhthmic drugs.	Prof.Dr/
10	Antihypertensive agents.	Abdallah El-
11	Anticoagulants.	
12	Antihyperlipidemic agents.	shanawany
13	Diagnostic agents.	

Topics taught as a percentage of the content specified:

• 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 examination	50%		
Oral examination	15%		
Practical exam	20%		
Activity (case study)	5%		
mid term exam	10%		
Total	100%		

Members of examination committee:

- Prof. Dr/ Lobna Mohammed Abdel Aziz
- Prof.Dr/ Abdallah El-shanawany
- Prof. Dr/ Kamel Metwally
- Prof.Dr/Sobhy mohammed al adl
- Dr.Mahmoud sebaiy

4- Facilities and Teaching Materials:

Totally adequate	
Adequate to some extent	\checkmark
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 did not complain of any weaknesses for this year, as there is no percentage more than 60% in the results of the questionnaire given to them.	

7- Comments from external evaluator(s):

Well designed course content and clear learning outcomes

8- Course Enhancement:

Action	State whether or not complete & give reasons for any non completion
Holding periodical exam in sixth week (10% from written exam)	Accomplished
Measurement of ILOS of course	Accomplished

<i>J</i> - Action plan for academic	ycui 2017 2020	
Action required	Completion	Person responsible
	date	
Using additional learning and	2019 - 2020	Course team
teaching methods such as		
group discussion to		
encourage students to interact		
effectively with lectures		
Activating the faculty council	2019 - 2020	Course team
decision by adopting a new		
mechanism for oral exam and		
using balanced question cards		

9- Action plan for academic year 2019–2020:

• Course Coordinator: Prof.Dr/ Abdallah El-shanawany

Signature:

Date: course report is approved in department council on

Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Medicinal Chemistry

<u>A – Basic Information:</u>

- 7. Title: Medicinal Chemistry I and II Code: MC310 and MC321
- 8. Program(s) on which this course is given: Bachelor of Pharmacy.
- 9. Year / Level of programs: Third year (first & second semester)

10.Units / Credit hours:-----

- For first semester:

Lectures	2hr	Practical sessions	2hr	Total	3hr
- For second semester:					
Lectures	2hr	Practical sessions	2hr	Total	3hr

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

- Prof. Dr/ Lobna Mohammed Abdul Aziz
- Prof. Dr/ Sobhy El-Adl
- Prof.Dr/ Abdallah El-shanawany
- Prof. Dr/ Kamel Metwally
- Dr / Mahmoud Sebaiy.

12.Course coordinator:

- Prof. Dr/ sobhy el adl (first semester)
- Prof.Dr/ Abdallah El-shanawany (second semester)

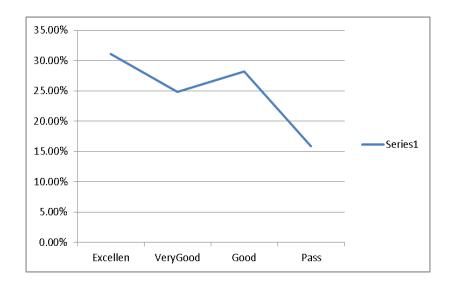
13.External evaluator:-----

<u>B- Statistical Information:</u>

No. of students attending the course	1011	100%
No. of students completing the course	1002	99.12%

Results:					
Passed	977	97.5%	Failed	25	2.5 %
Grading of successful students:					
Excellent	304	31.12%	Very good	243	24.87%

Good	275	28.15 %	Pass	155	15.86 %



<u>C-Professional Information</u>:

5- course teaching:

-For first semester:

NO	Topic(2hr/lecture)	Lecturers
1	Introduction to medicinal chemistry (physicochemical properties in relation to biological action).	Prof.Dr/ Abdallah El-shanawany
2	Antiprotozoalagents(antiamoebic,antitrichomonal,antigiardialagents,antileshmanial & antitrypanosomal agents).	
3	Antimalarials (4-amino quinolines, 8- aminoquinolines, acridine derivatives, biguanides & pyrimidine derivatives).	Prof.Dr/Sobhy el adl
4	Anthelminitics (drugs active for nematodes & cestodes).	
5	Anthelminitics (drugs active for trematodes & antibelharzials).	
6	Periodical exam.	
7	Sulphonamides.	

8	Antifungals.	Prof. Dr. Lobna Abdel Aziz
9	Antibiotics (B-lactam penicillin antibiotics).	Prof.Dr.Kamel A.
10	Antibiotics (B-lactam antibiotics, cephalosporins & aminoglycosides).	Metwally
11	Antibiotics (macrolide, fused ring, conjugated polyene compounds & poly peptide antibiotics).	
12	Antibiotics (sulphur containing antibiotics & unclassified antibiotics).	
13	Antiseptics& disinfectants (alcohol, aldehyde, acids, oxidizing agents, chlorine containing compounds, phenolic compounds, cationic surfactants).	Dr/ Mahmoud sebaiy
14	Antiseptics& disinfectants (dyes, nitrofurans derivatives, mercury containing compounds & floroquinolones).	

- For second semester:

NO	Topic(2hr/lecture)	Lecturers
1	Antimycobacterium agents.	Dr/ Mahmoud
2	Diuretics.	sebaiy
3	Oral Hypoglycemic agens.	Prof. Dr. Lobna Abdel Aziz
4	Antineoplastic agents (Alkylating agents, antimetabolites).	Prof.Dr/Sobhy
5	Antineoplastic agents (antimetabolites, hormones).	el adl
6	Antiviral agents (host cell penetration inhibitors and nucleic acid inhibitors).	Prof/ Kamel Metwally
7	Antiviral agents (protein inhibitors).	
8	Antianginal agents.	
9	Antiarryhthmic drugs.	Prof.Dr/
10	Antihypertensive agents.	Abdallah El-
11	Anticoagulants.	Abuanan El-

12	Antihyperlipidemic agents.	shanawany
13	Diagnostic agents.	•

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:
- 6- 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.

7- Student Assessment :

Method of Assessment	Percentage of total %
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Total	100%

Members of examination committee:

- Prof. Dr/ Abdullah Elshanawany
- Prof. Dr/ Lobna Abdul Aziz
- Prof. Dr/ Kamel abd elrehem metwally
- Prof. Dr/ Sobhy El-Adl
- Dr / Mahmoud Sebaiy.

8- Facilities and Teaching Materials:

Totally adequate	
Adequate to some extent	\checkmark
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9- Action plan for academic year 2019–2020:

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Action required	Completion	Person responsible
	date	
Using additional learning and	2019-2020	Course team
teaching methods such as		
group discussion to		
encourage students to interact		
effectively with lectures		
Updating practical sessions to	2019 - 2020	Course team
match theoretical parts.		

Course Coordinator:

- Prof. Dr/ sobhy el adl (first semester)
- Prof.Dr/ Abdallah El-shanawany (second semester)

Signature:

Date: course report is approved in department council on