# **COURSE REPORTS Faculty of Pharmacy**

**Bachelor of pharmacy** 

(Clinical Pharmacy)

Third level – Semester 6

2019-2020

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#### **COURSE REPORT**

Pharmacology-2

Third level –Semester 6

2019-2020

#### **Course Report of Pharmacology II**

University: Zagazig	Faculty: Pharmacy	Department:
Pharmacology		

#### **A-Basic Information**:

- **1. Title and code:** Pharmacology II
- 2. Programme(s) on which this course is given: Clinical pharmacy program

PO 602

- 3. Year/ Level of programme: Third year/sixth semester
- 4. Units/Credit hours:

Lectures 2 hrs Tutorial/I	Practical 1hrs	Total 3hrs
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5. Names of lecturers contributing to the delivery of the course:

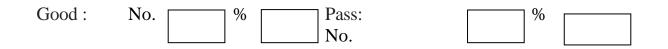
- Prof. Dr/ Rasha Abdel Ghany
- Prof. Dr/ Atef saad
- Prof. Dr/ Shimaa El-Shazly
- Dr/ Nesreen Elkomy

6. Course coordinator: Prof. Dr. Shimaa El-Shazly

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

#### **B-** Statistical Information:

No. of students attending the course:	No. 166 % 100
No. of students completing the course:	No. 166 % 100
Results:	
Passed: No. 166 % 100 Failed: No.	0 % 0
Grading of successful students:	
Excellent: No. % Very Good: No.	: %



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

#### 1 - Course teaching:

Topics actually taught	No. of hours	Lecturer
<ul> <li>Drugs used in coagulation and bleeding disorders.</li> <li>Drugs used for treatment of anemia.</li> <li>Hematopoietic growth factors.</li> </ul>	2	Prof. Dr. Shimaa El-Shazly
Respiratory system     pharmacology.	2	
Gastrointestinal     pharmacology.	2	
• Degenerative disorders and spasticity.	2	
<ul> <li>Drugs used for treatment of anxiety and sleep disorders.</li> <li>Treatment of depression and mania.</li> <li>Drugs used for treatment of mania and bipolar disorder.</li> </ul>	4	Prof. Dr/ Rasha Abdel Ghany
• Drugs used for treatment of psychosis and anxiety.	2	
• Central nervous system stimulants.	2	
• Antiepileptic drugs.	2	Dr/ Nesreen Elkomy
• Pain control with general and	2	

local anaesthetics.		
Autacoids	2	
• Anti-inflammatory, antipyretic and analgesic agents.	2	Prof. Dr/ Atef saad
• Anti hyperlipidemic drugs	2	
Revision	2	

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

>90%		70-90%	<70%	
------	--	--------	------	--

#### Reasons in detail for not teaching any topic:

Because of Corona pandemic and change of assessment method, students' activity through the course was cancelled

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/homework:  $\sqrt{}$ 

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

Because of Corona pandemic and suspension of the study since 15 March, the lectures and laboratory were delivered to the students through telegram channel.

#### **3-** Course learning outcome assessment:

Because of Corona Pandemic, the assessment methods were modified according to the descision of Supreme Council of Universities. The final written exam was replaced by preparation of project in a topic related to the course. Each project objectives were announced to the students through orientation lecture as well as rules for preparation and assessment of the project. After receiving and assessing the projects, feedback about students' performance was announced to the students as well. All the projects were evaluated according the scale of pass or fail and so no marks or grades were recorded.

Teaching staff	List of projects	
Prof. Dr/ Rasha Abdel	1. Antidepressants:	
Ghany	(Citalopram, Fluoxetine, Fluvoxamine,	
	Paroxetine, Sertraline)	
	2. treatment of parkinsonism:	
	(Benztropine, Bromocriptine, Levodopa (w/Carbidopa), Pramipexole)	
	3. treatment of anxiety and sleep disorders	
	(Diazepam, Lorazepam, Phenobarbital,	
	Midazolam, Triazolam)	
	4. Antipsychotics:	
	(Chlorpromazine, Thioridazine,	
	Fluphenazine, Haloperidol, Pimozide,	
	Aripiprazole)	
Prof. Dr/ Atef saad	1. Anti hyperlipidemic drugs	

#### List of projects:

	1		
	(Hydroxy methyl reductase inhibitors,		
	Fibrates, Bile acid sequestrates, Omega -3, Ezetimibe)		
	2. Drugs used to treat gout:		
	(Allupurinol, Colchicin, Probenicid)		
	3. Anti-inflammatory, antipyretic and		
	<ul><li>analgesic agents.</li><li>4. treatment of rheumatoid arthritis.</li></ul>		
	4. treatment of rheumatoid arthritis.		
	5. Treatment of migraine		
Prof. Dr/ Shimaa El-	1. Drugs used in coagulation and bleeding		
Shazly	disorders (heparin, warfarin, lepirudin,		
	bivalirudin, argatroban, vitamin K)		
	2. Drugs used in peptic ulcer:		
	(Misoprostol, Sucralfate,		
	Proton pump inhibitors (PPIs))		
	3. Drugs used in asthma:		
	• Methylxanthines (theophylline,		
	aminophylline)		
	• Short-acting β-Agonists (terbutaline,		
	albuterol "salbutamol" and		
	pirbuterol)		
	<ul> <li>Long-acting β-Agonists (salmeterol &amp; foremeterol)</li> </ul>		
	Inhaled Ipratropium		
	Cromolyn & Nedocromil		
	• Leukotriene synthesis inhibitor		
Dr/ Nesreen Ibrahim	1. Antiepileptic drugs		
	(phenytoin, carbamazepine,		
	phenobarbitone, valproic acid, gabapentin)		
	2. Anesthetics:		
	Local Anesthetics		
	Inhalation Anesthetics		
	Pre-anesthetic Medications		
	Post- anesthetic Medications		
	3. CNS stimulants:		
	(nicotin, Methamphetamin,		
	Dextroamphetamine ,Methylphenidate,		
	Hallucinogens)		

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

4- Facilities and teaching materials:

Totally adequate Adequate to some extent Inadequate List any inadequacies:



Poor internet and difficulty of lecture download for some students

#### 5- Administrative constraints:

List any difficulties encountered:

Absence of well-equipped computer lab with good internet connection and IT technician to help teaching staff if there is any difficulty in preparing and uploading lectures

#### 6- Student evaluation of the course: 74%

List any criticism	Response of course team
Generally students were satisfied about the course	- Insert preparation of projects as
but they complained from assessment through	a tool for assessment
projects preparation in the following point:	
- NO follow up from some staff members	- Good planning for students
	projects regarding time, follow
- No determination of list of references for each	up, determination of objectives,
project	references and assessment
- Not enough time for projects preparation	criteria

## 7- Teaching staff evaluation of online learning and student assessment by projects:

- Generally, staff members were satisfied about online learning but they mentioned problems that students may face like unavailability of computers or weak internet

connection

- Unavailability of formal platform for the faculty to organize the interaction

process with students

- Unavailability of teaching studio equipped with audiovisual facilities for recording lectures

#### **8-** Comments from external evaluator(s):

- The course was well designed
- ILOs were properly written

#### 9- 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. Addition of more interactive topics in practical session's e.g. case study.	completed			
b. Using simulated video and computer aided learning in practical sessions	Not completed due to corona pandemic			
c. Supply the labs with data show and black-out curtains to facilitate teaching.	completed			

2. Action Plan for Next Semester/Year				
Actions Recommended for	Intended Action Points	Start	Completion	Person
Further Improvement	(should be measurable)	Date	Date	Responsible

Using simulated video and computer aided learning in practical	2020	2021	Course team
sessions			
Using additional	2020	2021	Course team
learning and teaching			
methods such as group			
discussion to encourage			
students to interact			
effectively with lecturers			
Apply blended learning	2020	2021	Course team

Signature:

Date: / /

# COURSE REPORT Pharmaceutical technology Third level –Semester 6 2019-2020

#### Annual Course Report

University:Zagazig	Faculty:	Pharmacy
	v	2

**Department:** Pharmaceutics

<u>A – Basic Information:</u>

- **Title and Code:** Pharmaceutical technology (PT607)
- **Program(s) on which this course is given:** Bachelor of pharmacy, clinical pharmacy
- Year / Level of programs: Third year (Sixth semester)
- Units / Credit hours: 3 hrs/week

- Names of lecturers contributing to the delivery of the course:
- Prof. Dr. Mahmoud Abd El-Ghany
- Assist. Prof. Shereen Sabry
- Dr. Margrit Mikhaeil
- Course coordinator:
  - Prof. Dr. Mahmoud Abd El-Ghany
- External evaluators:
- unavailable

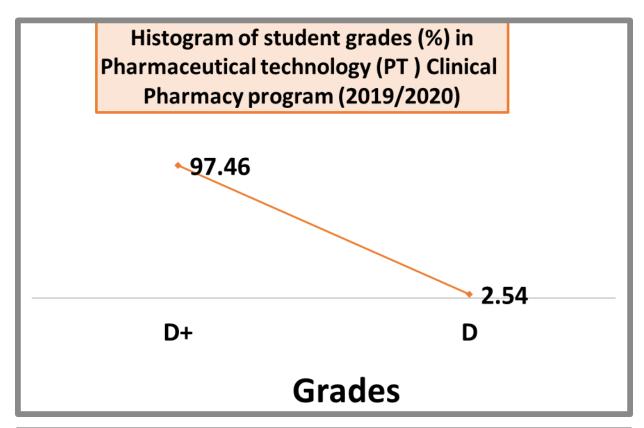
#### **<u>B- Statistical Information:</u>**

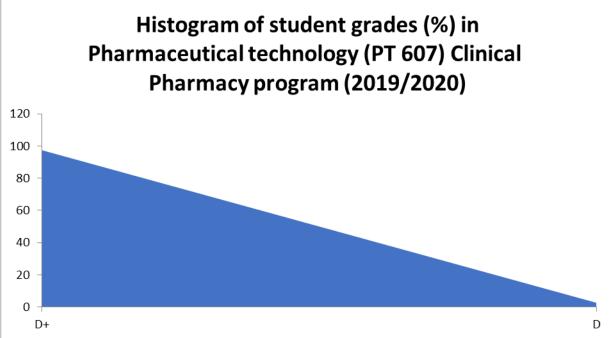
No. of students attending the course	197	100 %
No. of students completing the course	197	100 %

<b>Results:</b>					
Passed	197	100%	Failed	0	0%

Grading of successful students:

Grade	Student Number	Percent
$D^+$	192	97.46%
D	5	2.54%





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

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

Торіс	No of hours	Lecturers		
Evaporation	2			
Evaporation	2			
Drying	2	Dr. Margrit Mikhaeil		
Drying	2			
Mixing	2			
Heat transfer	2			
Refrigeration	2	Assist. Prof.		
Crystallization	2	Shereen Sabry		
Crystallization	2			
Filtration	2			
Air purification	2			
Centrifugation	2	Prof. Dr. Mahmoud Abd		
Extraction				
Extraction	2			
Revision	2	1		

Topics taught as a percentage of the content specified:

>90 %	$\checkmark$	70 – 90 %	<70%	

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

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 based researches to develop self learning skills as well as computer and internet skills.

#### Members of examination committee:

- Prof. Dr. Mahmoud Abd El-Ghany
- Assist. Prof. Shereen Sabry
- Dr. Margrit Mikhaeil

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

Totally adequate	
Adequate to some extent	$\checkmark$
Inadequate	

#### List any inadequacies:

.....

#### 5- Administrative Constraints:

• Crowded schedule .

#### **6-** Comments from external evaluator(s):

Comments Response of course team
----------------------------------

- Taking care about repeating the	- The reports will be revised and
contents of the course.	written carefully.

#### **7- Course Enhancement:**

Action required	State whether or not complete and give reasons for any non completion
a. Use balanced questions cards for oral exam	Completed
b. External examiner for evaluation of the student during oral exam	Not completed
c. Organizing visits of the students to industrial companies	Not completed

#### 9- Action plan for academic year 2020– 2021:

Action required	Completion date	Person responsible
External examiner for evaluation of student during oral exam	2020/2021	- Faculty vice dean for education and student affairs
Organizing visits of the students to industrial companies	2020/2021	- Faculty vice dean for education and student affairs

#### **Course Co-ordinators:**

• Prof. Dr. Mahmoud Abd El-Ghany

#### Signature:

**Date:** Course report is approved on 28-10-2019

#### **COURSE REPORT**

Community Pharmacy practice

Third level –Semester 6

2019-2020

#### **Course Report of community pharmacy practice**

Institution: Zagazig University

Faculty : Pharmacy

#### • **T** C . ъ

A- Basic Information:
1. Program (s) on which the course is given: Bachelor of pharmacy – clinical pharmacy
2. Major or Minor element of programs: Major
3. Code: PP601
4. Department offering the course: Pharmacy Practice
5. Academic year Level: Third level /Sixth semester
Units/Credit hours:
Lectures2Practical1Total3
5. Names of lecturers contributing to the delivery of the course:
Prof. Nagia AlMegrab
Assis Prof. Gehan Fathy Attia
Dr. Shereen Sabri
6. Course coordinator: Assis Prof. Gehan Fathy Attia
7. External evaluator:
External evaluator: Prof. Mahrous Othman – Pharmaceutics – Assuit University
B- Statistical Information:
No. of students attending the course: No. 204 % 100
No. of students completing the course: No. 704 % 100
Results:
Passed:         204         No.         100 %         Failed:         0         %         0 %
No.

Grading of	successful s	students:					
Excellent:		No.	%	Very Good	•	%	
			_	No.			
Good :		No.	%	Pass:		%	
			3	No.		L	

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

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

Topics actually taught	No. of hours	Lecturer
Strategies for Communicating Effectively with Patients	2	Assis Prof. Gehan Balata
Women health conditions	2	
- Childhood conditions	2	
Respiratory system	2	Dr. Shereen Sabry
Respiratory system	2	
Central nervous system (CNS)	2	
Central nervous system (CNS)	2	
Gastroenterology	2	
Gastroenterology	2	
Common Dermatologic Diseases and Conditions	2	Prof. Nagia AlMeghrab
Ear conditions	2	
Eye conditions	2	
Revision	2	
Revision	2	
Final written exams		

#### Topics taught as a percentage of the content specified: >90%

70-90%

<70%

#### Reasons in detail for not teaching any topic:

Because of Corona pandemic and change of assessment method, students' activity through the

course was cancelled

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: role play	$\checkmark$
Case Study:	$\checkmark$

Other assignments/homework:

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

Because of Corona pandemic and suspension of the study since 15 March, the lectures

and laboratory were delivered to the students through telegram channel.

#### **3-** Course learning outcome assessment:

Because of Corona Pandemic, the assessment methods were modified according to the descision of Supreme Council of Universities.

The final written exam was replaced by preparation of project in a topic related to the course. Each project objectives were announced to the students through orientation lecture as well as rules for preparation and assessment of the project. After receiving and assessing the projects, feedback about students performance was announced to the students as well. All the projects were evaluated according the the scale of pass or fail and so no marks or grades were recorded.

Teaching staff	List of projects	
Prof. Nagia el meghrab	Managing symptom in community	
	pharmacy	
	Topic 1 : Skin conditions	
	Topic 2 : Skin, eye and ear conditions	
	Topic 3: Skin, eye and ear condition in	
	children	
Assis. Prof. Gehan Balata	1. Community pharmacy:	
	2. Community pharmacy services:	
	standard services & opportunities	
	for improvement:	

#### List of projects:

	<ul><li>3. Community pharmacy practice in Egypt:</li><li>4. Childhood conditions</li></ul>
	5. Women health conditions:
Assis. Prof. Shereen sabri	1. Cough
	2. Rhinitis
	3. Headache
	4. Insomnia
	5. Mouth ulcers
	6. Dyspepsia

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

#### **4-** Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

-	
-	
-	

List any inadequacies:

- Poor internet and difficulty of lecture download for some students

#### **5- Administrative constraints:**

Absence of well equipped computer lab with good internet connection and IT

technician to help teaching staff if there is any difficulty in preparing and uploading

lectures

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

List any criticism	Response of course team
Generally students were satisfied about	
the course but they complained from	nsert preparation of projects as a tool
assessment through projects preparation	for assessment
in the following point:	
-	Good planning for students projects
No follow up from some staff	regarding time, follow up,
members	determination of objectives, references
	and assessment criteria

No determin	ation of list of references
for each proje	ect
Not enough preparation	ime for projects

#### 7- Teaching staff evaluation of online learning and student assessment by

projects:

Generally, staff members were satisfied about online learning but they mentioned problems that students may face like unavailability of computers or weak internet connection

Unavailability of formal platform for the faculty to organize the interaction process with students

Unavailability of teaching studio equipped with audiovisual facilities for recording lectures

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

- The course was well designed
- ILOs were properly written

#### 9- 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	Completion
Include the faculty educational pharmacy within the practical sessions	<ul> <li>Update the pharmacy medicines</li> <li>Divide the students into groups of 25 students</li> </ul>	Students identified the main items in community pharmacy	The educational pharmacy was developed but not all the students take this session because of corona pandemic

Actions Recommended for Further Improvement	Start	Completion	Person
	Date	Date	Responsible
Revision of the course references	9/2020	9/2020	Course instructors
Apply electronic practical exam	2020-	2020-2021	Course instructors
	2021		
Use storyboard that, program for preparing	9/2020	6/2021	Course instructors
different scenarios about good and bad			
communication as an activity			
Apply blended learning strategy	9/2020	6/ 2021	Course instructors
Development of search skills through course	9/2020	6/ 2021	Course instructors
assignments			
Arrangements for platform creation	2021	2022	Faculty
			administration

Signature: Gehan Fathy Attia

Date: / /

#### **COURSE REPORT**

Biopharmaceutics & Pharmacokinetics

Third level –Semester 6

2019-2020

#### **Annual Course Report**

University:ZagazigFaculty:PharmacyDepartment:Pharmaceutics and Industrial Pharmacy

#### <u>A – Basic Information:</u>

- 1. Title and Code: Biopharmaceutics and Pharmacokinetics PT 609
- Program(s) on which this course is given: Bachelor of pharmacy (Clinical pharmacy)
- 3. Year / Level of programs: Third year (six semester)

#### 4. Units / Credit hours:

Lectures	2 hrs.	<b>Practical sessions</b>	1 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 Gamal Eissa
- Dr. Eman Gomaa

#### 6. Course coordinator:

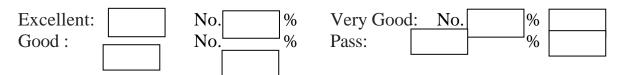
- Prof. Dr. Fakhr El-din Ghazy
- 7. External evaluator:
- Prof. Dr./ Fawzya Habib (Assuit University), 2018-2019

#### **B- Statistical Information:**

No. of students attending the course	no.226	% 100
No. of students completing the course	No. 226	% 100

<b>Results:</b>					
Passed	226	100%	Failed	0	% 0

#### Grading of successful students:



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

Торіс	No of hours	Lecturers
-Introduction to biopharmaceutics and	2	Prof. Dr. Fakhr El-
pharmacokinetics		din Ghazy
-Biopharmaceutics:	2	
-Absorption process:		
-Biological factors affecting rate of drug		
absorption.		
-Physicochemical and pharmaceutical factors	2	
influencing bioavailability of the drug.		
-Bioavailability and Bioequivalence	2	
-Distribution of drugs		
-Elimination of drugs:	2	
-Biotransformation and factors		
-Elimination of drugs: Renal excretion		
-Elimination of drugs: Minor routes of	2	
elimination		
-Kinetics and pharmacokinetics:	2	Dr. Eman Gomaa
-Pharmacokinetic parameters		
-Compartment pharmacokinetic models		
-one compartmental model		
-two and multi-compartmental models	2	
-drug pharmacokinetics following oral drug	2	Dr. Noura Eissa
administration		
-bioavailability and bioequivalence	2	

-steady state principle after iv infusion	2	
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#### **2-Topics taught as a percentage of the content specified:**

- >90% \[70-90% \]<70%
  - Reasons in detail for not teaching any topic:

Because of Corona pandemic, so students' activity was cancelled

• 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	

- If teaching and learning methods were used other than those specified, list and give reasons: self-learning (internet search)
  - The lectures and laboratory were delivered to the students through telegram channel due to suspension of study due to Corona pandemic.
  - Students were asked to perform internet search about different topics in the course and prepare a report as a replacement of the final exam. The students received an orientation lecture to obviously get the rules governing the preparation and evaluation of projects. The projects were evaluated at the end of the deadline date as pass or fail only.

List of projects:

Teaching staff	List of projects
Prof. Fakhr eldin Ghazy (Biopharmaceutics	<ol> <li>Composition of biological membranes</li> <li>Biological factors affecting drug absorption</li> </ol>
research topics)	3- Physiological factors affecting drug absorption
	<ul><li>4- Physicochemical factors affecting drug absorption</li><li>5- Factors affecting dissolution of drugs</li></ul>
	6- Distribution of drugs and factors affecting it
	7- Renal excretion of drugs
	8- Biliary excretion of drugs
	9- Mechanism of biotransformation
	10- Salivary excretion of drugs
	11- Dosage form factors affecting drug absorption
	12- Drugs that not require in vivo bioavailability testing
	13- In-vitro, in-situ and in-vivo experiments
	14- The role of surfactants in drug absorption
	15- Effect of plasma protein binding on distribution and elimination of drugs
	16- Effect of additives or excipients on drug absorption
	17- pH partition theory and its application
	18- drugs that may possess a teratogenic effect
	19- adsorption plays a significant role in drug absorption
	20- steps followed to reduce sources of variation

Dr. Noura Eissa Dr. Eman Gomaa (Pharmacokinetics research topic)	<ul> <li>You have to make your study on one drug.</li> <li>You are free to select any drug of your own choice; a drug used for treatment of (hypertension, diabetes, hypercholesterolemia, anxiety, depression, siezures,etc.,)</li> <li>Search for its pharmacokinetic data (its displacement through the human body); absorption, distribution, metabolism and excretion.</li> <li>Analyze the data depending on the studied pharmacokinetics parameters you studied through the course. (elimination rate, half-life, volume of distribution, total body clearance, bioavailability and bioequivalence of different dosage forms)</li> <li>How the diseased state alter the pharmacokinetics of the drug.</li> <li>From your point of view; Try to write your own comment on the problems of such drug; solubility, dissolution, metabolism and how it could be treated (you can depend on the researches in the last 3 years of new techniques, dosage forms, routes of administration</li> </ul>
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#### Evaluation of course content and final exam :

#### **4-** Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies:

-
$\checkmark$
_

The major problem was in the internet connection and speed that staff face when uploading and sharing their lectures and students face when download them.

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

- No facilities for internet connection in the faculty.
- No periodical maintenance for internet
- No well-trained technician

#### 6- Students evaluation of the course:

Students evaluation of the course	Response of course team
<ul> <li>Generally; students were satisfied about the course</li> <li>But the major complaint was about;</li> <li>Inadequate correlation between the course and market requirements</li> <li>Not enough time for projects preparation</li> </ul>	<ul> <li>Updating the course contents to match with market requirements</li> <li>Students' projects and internet search has developed self-learning for students and help them with some references and websites for help.</li> </ul>

#### 7- Teaching staff evaluation of online learning and student assessment by

#### projects:

- Staff members were satisfied about online learning with some considerations;
  - a- Poor internet connection they faced as well as students made the contact between them not satisfactory.

#### **8-** Comments from external evaluator(s):

Due to Corona Pandemic; it was difficult to consult an external evaluator for the

current course but some previous comments were taken into consideration.

<b>Comments from external evaluator:</b>	Response of course team
Course specification and course contents are very useful to pharmacy graduates and enable them to practice the profession after graduation.	
References should be updated	This will be considered in the

next course specification	
---------------------------	--

#### 9- Course Enhancement:

Action	Completed or not and Give reasons for any non-completion
Addition of new topics in practical sessions	Completed

#### 10 -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
Apply blended learning	2020/2021	Course team
Development of search skills through course assignments	2020/2021	Course team

#### Course Coordinator: Prof. Dr. Fakhr El-din Ghazy

#### Signature:

Date: Course report is approved in department council on

#### **COURSE REPORT**

Quality Control of Herbal Drugs

Third level –Semester 6

2019-2020

#### **Course Report of Quality Control of Herbal Drugs**

Institution: Zagazig University

Faculty : Pharmacy

#### **A- Basic Information**:

1. Program (s) on which the course is given: Bachelor of pharmacy – clinical pharmacy

2. Major or Minor element of programs: Major
3. Code: PG 606
4. Department offering the course: Pharmacognosy
5. Academic year Level: Third level /Sixth semester

#### Units/Credit hours:

Total 3 Lectures 2 Practical 1

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

- Prof. Dr/ Assem El-Shazly
- Prof. Dr/ Amal Al-Gendy
- Prof. Dr/ Wafaa Badr
- 6. Course coordinator: Prof. Dr/ Assem El-Shazly

7. External evaluator: ----- (Because of Corona pandemic)

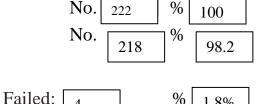
Internal evaluator: Prof. Fawkia Abdullah Abbas

#### **B-** Statistical Information:



No. of students completing the course:

**Results:** 



1.8%

Passed:	218	No.	98.2 %	
Grading of	f s <u>uccessf</u>	ful studen	ts:	
Excellent:		No.	%	
Good :		No.	%	

Very Good:	%	
No.		
Pass:	%	
No.		

4

No.

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

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

1 - Course teaching:		
Topics actually taught	No. of hours	Lecturer
-Introduction about the quality control	4	Prof. Dr/ Assem
includes:		El-Shazly
Preparation of herbal drugs		j
Quality assurance		
-Introduction about the content and		
standardization includes:		
Identity-		
Purity-		
-Quality and standardization		
-Adulteration of herbal drugs	8	Prof. Dr/ Amal
-Purity parameters of herbal drug		Al-Gendy
-Sampling of drugs for evaluation		
-Evaluation of herbal drugs includes the		
following Pharmacopeia standard:		
Microscopical evaluation-		
Moisture content-		
Ash values Crude fibers		
Extractive values-		
Determination of heavy metals-		
Foreign organic matters		
Evaluation of herbal drugs includes the		
following Pharmacopeia standard:		
- Determination of radioactive		
contamination.		
-Determination of insects and pesticide		
residues.		
-Determination of microbial		
contamination and aflatoxins.		
Analytical methods		
-Qualitative chemical evaluation		
Color reaction for different classes of		
secondary metabolites	C	
-Spectroscopic evaluation of natural	6	Prof. Dr/ Wafaa
products.		Badr
-Micro elemental analysis. -UV spectroscopy.		
-IR spectroscopyMass spectroscopy.		
- <sup>1</sup> HNMR spectroscopy.		
- <sup>13</sup> CNMR spectroscopy.	(	
- Analytical methods	6	Prof. Dr/ Assem
-Chromatographic examination		

<ul> <li>Thin layer chromatography (TLC)</li> <li>Gas chromatography (GC)</li> <li>High pressure liquid chromatography (HPLC)</li> <li>Quantitative evaluation</li> <li>Validation</li> </ul>	El-Shazly
<ul> <li>Herbal supplements</li> <li>Drug- herb interaction</li> <li>Bioassay guided isolation process.</li> <li>Toxicological studies</li> <li>Toxicity of herbal drugs.</li> </ul>	

Topics taught as a percentage of the content specified:>90% $\sqrt{}$ 70-90%<70%</td>

#### Reasons in detail for not teaching any topic:

Because of Corona pandemic, student's periodical exam through the course was cancelled

#### 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: role play	-
Case Study:	-

Other assignments/homework:

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

Because of Corona pandemic and suspension of the study since 15 March, the lectures

and laboratory were delivered to the students through telegram channel.

#### **3-** Course learning outcome assessment:

Because of Corona Pandemic, the assessment methods were modified according to the descision of Supreme Council of Universities.

The final written exam was replaced by preparation of project in a topic related to the course. Each project objectives were announced to the students through orientation

lecture as well as rules for preparation and assessment of the project. After receiving and assessing the projects, feedback about students performance was announced to the students as well. All the projects were evaluated according the the scale of pass or fail and so no marks or grades were recorded.

# List of projects:

Teaching staff	List of projects
Prof. Dr/ Assem El- Shazly	1-Thyme herb
	2-Digitalis leaf
	3-Citrus peel
	4-Clove flower
	5-Echinacea herb
	6- Cinnamon bark
	7-Opium latex
	8-Ergot
	9-Ginger rhizome
	10-Mentha herb
Prof. Dr/ Wafaa	11-Rhubarb rhizome
Badr	12-Fennel fruit
	13-Buchu leaf
	14-Ammi visnaga fruit
	15-Frangula bark
	16-Datura leaf
	17-Anise fruit
	18-Belladona leaf
	19-Lobelia leaf
	20-Green tea

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

4- Facilities and teaching materials:

Totally adequate	-
Adequate to some extent	
Inadequate	-

List any inadequacies:

Poor internet and difficulty of lecture download for some students

# 5- Administrative constraints:

Absence of well-equipped computer lab with good internet connection and IT technician to help teaching staff if there is any difficulty in preparing and uploading lectures

# 6- Student evaluation of the course:

List any criticism	Response of course team
Generally students were satisfied about the course but they complained from assessment through projects preparation in the following point:	<ul> <li>Insert preparation of projects as a tool for assessment</li> </ul>
No determination of list of references for each project	Good planning for students projects regarding time, follow up, determination of objectives, references and assessment criteria
Not enough time for projects preparation	

# 7- Teaching staff evaluation of online learning and student assessment by

# projects:

Generally, staff members were satisfied about online learning, but they mentioned problems that students may face like unavailability of computers or weak internet connection

Unavailability of formal platform for the faculty to organize the interaction process with students

Unavailability of teaching studio equipped with audiovisual facilities for recording lectures

# 8- Comments from internal evaluator: She was satisfied about the course

# 9- 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
Improving data show and computers	Purchase display screens in the labs.	More clarity and understanding of practical sessions	Students are satisfied about this action

Actions Recommended for Further Improvement	Start Date	Completion Date	Person Responsible
Apply electronic practical exam	9/2020	6/ 2021	Course instructors
Apply blended learning strategy	9/2020	6/ 2021	Course instructors
Arrangements for platform creation	2021	2022	Faculty administration

Signature: Prof. Dr/ Assem El-Shazly

Date: / /

# **COURSE REPORT**

Pathology

Third level –Semester 6

2019-2020

# **Course Report of pathology**

Institution: Zagazig University

Faculty : Pharmacy

#### **A- Basic Information**:

1. Program (s) on which the course is given: Bachelor of pharmacy- Clinical Pharmacy
2. Major or Minor element of programs: Major
3. Code: MD 608
4. Department offering the course: Pathology Faculty of Medicine
5. Academic year Level: third level / semester 6

#### Units/Credit hours:

Lectures	2	Practical 1	1	Total	3
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No.

No.

194

194

%

%

100

98.8

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

# Prof . Dr. Yahia Al-Alphi Ali Al-Alphi

#### **Prof**. Dr. May Mohamed Ibrahim

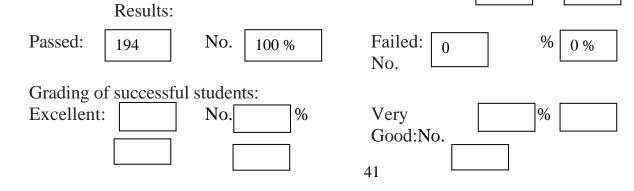
#### **Prof** . Dr. Hanan Lotfy

6. Course coordinator: Prof . Dr. Yahia Al-Alphi Ali Al-Alphi

#### 7. External evaluator:

#### **B-** Statistical Information:

No. of students attending the course: No. of students completing the course:



%

#### Pass: No.

%

# **C-Professional Information:**

1 - Course teaching:

i course teaching.		
Topics actually taught	No. of hours	Lecturer
-Introduction -Inflammation -Repair and regeneration	2	Prof . Dr. Yahia Al- Alphi Ali Al-Alphi
-Cell injury and cell death	2	
-Disorders of hematemesis and coagulation	2	
-Immune response and inflammation	2	Prof . Dr. May Mohamed Ibrahim
-Acquired Immunodeficiency Syndrome (AIDS)	2	
-Fluid and electrolyte imbalance	2	
-Diseases of cardiovascular system -Blood pressure	2	
-Diseases of the heart: Myocardial ischemia Myocardial infarction	2	
-Heart failure -Shock -Abnormalities of cardiac conduction	2	
-Disorders of the respiratory system	2	Prof . Dr. Hanan
-Abnormalities of kidney and urinary tract	2	Lotfy
-Gastrointestinal disorders	2	
-Diseases of the liver and exocrine pancreas	2	
-Endocrine disorders Diabetes mellitus	2	

# Topics taught as a percentage of the content specified:

 $\sqrt{}$ 

>90%

70-90%

42

**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: role play	-
Case Study:	-

Other assignments/homework:

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

Because of Corona pandemic and suspension of the study since 15 March, the lectures

and laboratory were delivered to the students through telegram channel.

#### **3-** Course learning outcome assessment:

Because of Corona Pandemic, the assessment methods were modified according to the descision of Supreme Council of Universities.

The final written exam was replaced by preparation of project in a topic related to the course. Each project objectives were announced to the students through orientation lecture as well as rules for preparation and assessment of the project. After receiving and assessing the projects, feedback about students performance was announced to the students as well. All the projects were evaluated according the the scale of pass or fail and so no marks or grades were recorded.

List of projects:	
Teaching staff	List of projects
Prof . Dr. Yahia Al-	For the following topics write about
	Definition
Alphi Ali Al-Alphi	Etiology and pathogenesis
Prof . Dr. May	Pathological reactions
Mohamed Ibrahim	Pathological features in affected organs
	Clinical and lab findings

# 

Prof . Dr. Hanan	Complications
Lotfy	Prognosis
	Cardio vascular system
	1-Rheumatic fever
	2-Endocarditis
	3-Angina pectoris:Definition
	4-Myocardial infarction
	5-Congenital cyanotic heart diseases:
	6-Congenital non-cyanotic heart diseases
	7-Heart failure
	8-Pericarditis
	9-Pericardial effusion:
	10-Atherosclerosis
	11-Hypertension
	12-Aneurysn
	13-Varicose Veins
	Respiratory system
	14-Rhinitis
	15-Laryngeal carcinoma
	16-Tonsillitis
	17-Chronic bronchitis
	18-Bronchial asthma
	19-Emphysema
	20-Bronchiectasis
	21-Lung abscess
	22-Lobar pneumonia
	23-Lobular pneumonia
	24-Bronchial carcinoid
	25-Bronchogenic carcinoma
	26-Pleural effusion
	27-Empyema
	Liver and gall bladder
	28-Acute viral hepatitis
	29-Chronic viral hepatitis
	30-Cirrhosis
	31-Portal hypertension

32-Hepatocellular carcinoma
33-Liver cell failure
34-Cholecystitis
35-Gall stones
Kidney
36-NephrItic syndrome
37-Nephr0tic syndrome
38-Acute pyelonephritis
<b>39-Chronic pyelonephritis</b>
40-Renal stones
Hematopoietic system
41-Hereditary spherocytosis
42-Thalassemia
43-G6PD Deficiency
44-Erythrobalstosis fetalis
45-Aplastic anemia
46-Iron deficiency anemia
47-Pernicious anemia
48-Acute Leukemia
49-Chronic Leukemia
50-Purpura
51-Hemophilia
Lymph nodes
52-Reactive lymphadenitis
53-Hodgkin's lymphoma
54-Non-Hodgkin's lymphoma
••••••••••••••••••••••••••••••••••••••

# Evaluation of course content and final exam :

# 4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

√\_\_\_\_

\_

List any inadequacies:

- Poor internet and difficulty of lecture download for some students

# **5- Administrative constraints:**

Absence of well equipped computer lab with good internet connection and IT technician to help teaching staff if there is any difficulty in preparing and uploading lectures.

# 6- Student evaluation of the course:

List any criticism	Response of course	
	team	
Need for course improvement	The course team will work on it	

# 7- Teaching staff evaluation of online learning and student assessment by

# projects:

Generally, staff members were satisfied about online learning but they mentioned problems that students may face like unavailability of computers or weak internet connection

Unavailability of formal platform for the faculty to organize the interaction process with students

# 8- Comments from external evaluator(s):

# 9- Course enhancement:

Actions Recommended for Further Improvement	Start Date	Completion Date	Person Responsible
Improvement of course book	2020-2021	2020-2021	Course instructors
- Provide more electronic facilities for education such as computers , good internet connection and creating an electronic platform	2020- 2021	2020-2021	Faculty administration

# Signature: Prof. Dr. Yahia Al-Alphi Ali Al-Alphi

Date: / /

# **COURSE REPORT**

Trauma & First aid

Third level –Semester 6

2019-2020

# **Course Report of Trauma and First aids**

Institution: Zagazig University

Faculty : Pharmacy

#### **A- Basic Information**:

1. Program (s) on which the course is given: Bachelor of Pharmacy (clinical Pharmacy)			
2. Major or Minor element of programs: Major			
3. Code: MD 609			
4. Department offering the course: Surgery, Faculty of Medicine			
5. Academic year Level: third level / semester 6			

Units/Credit hours:

Lectures 2	Practical 0	Total 2
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%

%

100

No.

No.

177

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

Prof . Dr. / Tarek Ezzat

Prof . Dr. / Hala Abdel Sadek

Prof . Dr. / Alaa Eldien Mohamed

Prof . Dr. / Ahmed Abou-Hashim

Prof . Dr. / Mohamed Abdel Mohsen

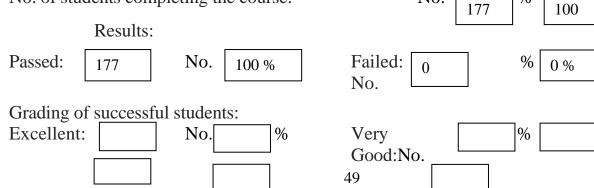
6. Course coordinator: Prof . Dr. / Tarek Ezzat

#### 7. External evaluator:

#### **B-** Statistical Information:

No. of students attending the course:

No. of students completing the course:



%

Pass: No. %

# **C- Professional Information:**

# 1 - Course teaching:

Topics actually taught	No. of hours	Lecturer
-Aim of first aid measures	2	Prof . Dr. / Tarek
Basic life support:	3	Ezzat
Air way care	5	
Breathing		
Circulation		
Basic life support:	2	
Disability	-	
Exposure, Environment		
-Bleeding	2	Prof . Dr. / Hala
-Shock:	2	Abdel Sadek
Types and etiology	_	Prof . Dr. / Alaa
Clinical picture		Eldien Mohamed
-Shock:	2	
First aid measures		
-Medical emergencies:	2	
Breathing difficulties	_	
Allergic reactions		
Seizures		
-Medical emergencies:	2	
Heart attack		
Stroke		
Cardiac arrest		_
-Poisoning:	2	
First aid measures		
-Poisoning:	3	Prof . Dr. / Ahmed
Inhalants		Abou-Hashim
Ingestants		Prof . Dr. /
-Bones and Joints:	2	Mohamed Abdel
Fractures		Mohsen
Sprains, Strains, Bruises		
-Soft Tissue Injuries:	2	
-Types of wounds	2	
-Complications of wounds		

# Topics taught as a percentage of the content specified:>90% $\sqrt{}$ 70-90%<70%</td>

**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: role play	-
Case Study:	-

Other assignments/homework:

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

Because of Corona pandemic and suspension of the study since 15 March, the lectures

were delivered to the students through telegram channel.

#### **3-** Course learning outcome assessment:

Because of Corona Pandemic, the assessment methods were modified according to the descision of Supreme Council of Universities.

The final written exam was replaced by preparation of project in a topic related to the course. Each project objectives were announced to the students through orientation lecture as well as rules for preparation and assessment of the project. After receiving and assessing the projects, feedback about students performance was announced to the students as well. All the projects were evaluated according the the scale of pass or fail and so no marks or grades were recorded.

List of projects:	
Teaching staff	List of projects

Dr. Tarek Ezzat	Cardiac Arrest Upper Respiratory Tract Obstruction (Choking) Drowning Open wounds Closed wounds (abrasion, hematoma and bruises) Wound Healing Wound Complications Methods of wound closure
Dr. ALAA KHALIL	Techniques of wound closureEvaluation of a burn patientTreatment of a burn patientBlood groupingMethods of blood transfusionComplications of blood transfusionDiagnosis of hypovolemic shockSuture MaterialsWound InfectionManagement of polytraumatized patients
DR HALA ELATTAR	Physiology of circulationHypovolemic shockSeptic shockNeurogenic shockCardiogenic shockAnaphylaxisIntravenous (IV) cannulationTwo rescuers CPRCPR for a childUpper respiratory tract (Choking) in a child
Dr. Mohammed AlGAZZAR	Primary survey of polytraumatized patient Transfer of polytraumatized patient Indications for blood transfusion Causes of cardiac arrest

Treatment of cardiac arrest
Wound closure
Phases of wound healing
Wound closure

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

# **4-** Facilities and teaching materials:

Totally adequate Adequate to some extent

Inadequate

-	
$\checkmark$	
_	

List any inadequacies:

- Poor internet and difficulty of lecture download for some students

#### **5- Administrative constraints:**

Absence of well-equipped computer lab with good internet connection and IT technician to help teaching staff if there is any difficulty in preparing and uploading lectures.

# 6- Student evaluation of the course:

List any criticism	Response of course team
students were satisfied about the course	The course team will work on it

# 7- Teaching staff evaluation of online learning and student assessment by

# projects:

Generally, staff members were satisfied about online learning but they mentioned problems that students may face like unavailability of computers or weak internet connection

Unavailability of formal platform for the faculty to organize the interaction process

with students

# 8- Comments from external evaluator(s):

# 9- Course enhancement:

Actions Recommended for Further Improvement	Start Date	Completion Date	Person Responsible
Improvement of course book	2020-2021	2020-2021	Course instructors
- Provide more electronic facilities for education such as computers , good internet connection and creating an electronic platform	2020- 2021	2020-2021	Faculty administration

Signature: Prof. Dr. / Tarek Ezzat

Date: / /