

# **CONTENTS:**

1.	Medicinal chemisty-2	3
2.	Clinical pharmacy-2	12
3.	Phytotherapy	20
4.	Pharmaceutical analysis and quality control	29
5.	Clinical biochemistry	36
6.	Drug marketing	
7.	Drug interactions	
8.	Cosmetics (elective)	



Medicinal chemistry -2

Fourth level –Semester 8

2019-2020

# **Course Report of Medicinal chemistry -2**

Institution: Zagazig University

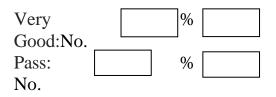
Faculty : Pharmacy

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

A- Dasic 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: PC 810
4. Department offering the course: Medicinal Chemistry
5. Academic year Level: fourth level /eighth semester
Units/Credit hours:
Lectures   2   Practical   1   Total   3
5. Names of lecturers contributing to the delivery of the course:
Prof. Dr. Mohamed El husseiny Elsadek
Prof. Dr. Mohamed Baraka
Prof. Dr. Osama Elsabagh
Assis Prof. Hend Kothayer
6. Course coordinator: Prof. Dr. Mohamed El husseiny Elsadek
7. External evaluator:
External evaluator:
B- Statistical Information:
No. of students attending the course: No. 254 % 100
No. of students completing the course: No. 253 % 99.6
Results:
Passed:       253       No.       99.6 %       Failed:       1       %       0.3%         No.       No.       1

Grading of successful students:

Excellent:	No.	%
Good :	No.	%



# **C-Professional Information:**

# **1 - Course teaching:**

Topics actually taught	No. of hours	Lecturer
-Central nervous system depressants	2	Prof. Dr. Osama
-Sedative and hypnotics		Elsabagh
-General anesthetics	4	
Antionilentic		
-Antiepileptic -Minor tranquilizer	2	
	-	
-Major tranquilizer	2	-
-Central nervous system stimulants	2	
-Analeptics, Antidepressants,		
-Central sympathomimetic agents	2	Prof. Dr. Mohamed
and Psychodelics		Baraka
-Nonestroidal anti-inflammatory	2	
agents	-	
Salicylates, p-Aminophenols,		
Pyrazolone and Pyrazolidinedione derivatives,		
-Nonestroidal anti-inflammatory	2	
agents	2	
(N-Arylanthranilic acid derivatives,		
Aryl acetic acid derivatives, Aryl		
propionic acid derivatives, Oxicams and Uricosuric agents)		
Narcotic analgosics	2	-
-Narcotic analgesics,	Z	

-Natural narcotic analgesics,		
-Semisynthetic narcotic analgesics,		
-Narcotic antagonists,		
-Synthetic narcotic analgesics		
-Cardiovascular Agents	2	Assis Prof. Hend
-Antianginal agents and vasodilators		Kothayer
Calcium channel blockers		
-Anti-arrhythmic Drugs	2	
-Antihypertensive Agents		
-Antihypertensive Agents	2	
-Anticoagulants and		
Antihyperlipidemic Drugs		
-Steroids	2	Prof. Dr. Mohamed El husseiny Elsadek
-Nomenclature of Steroids		Li nussenny Lisudek
-Mineralocorticoids and		
Glucocorticoids		
-Steroids	2	
-Female sex hormones (Estrogen,		
Progesterone).&Anti-Estrogens,oral contraceptives		
-Steroids	2	
-Androgens and Anabolic Agents		
& Anti-Androgenics		

# 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:**

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:	V
Practical training/laboratory:	-
Seminar/Workshop:	-
Class activity: role play	$\checkmark$
Case Study:	٧

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:

Code	Topic
Α	Medicinal Chemistry of New safe Non-Steroidal

	anti-inflammatory drugs.
В	Medicinal Chemistry of Arylalkanoic acid derivatives as anti-inflammatory drugs.
С	Medicinal Chemistry of COX-2 Selective inhibitors.
D	Medicinal Chemistry of natural narcotic analgesics.
E	Medicinal Chemistry of synthetic narcotic analgesics.
F	Medicinal Chemistry of central sympathomimetic agents.
G	Medicinal Chemistry of antidepressants.
Н	Medicinal Chemistry of estrogenic agents.
Ι	Medicinal Chemistry of antiestrogenic agents
J	Medicinal Chemistry of progestrons.
K	Medicinal Chemistry of androgenic agents.
L Medicinal Chemistry of anabolic agents.	
M Medicinal Chemistry of mineralocorticol	
N	Medicinal Chemistry of glucocorticoids.
0	Medicinal Chemistry of barbiturate derivatives.
Р	Medicinal Chemistry of non-barbiturate sedative hypnotic anxiolytics
Q	Medicinal Chemistry of inhalational anesthetic agents.
R	Medicinal Chemistry of benzodiazepines.
S	Medicinal Chemistry of antiepiletic drugs.
Т	Medicinal Chemistry of typical antipsychotics
U	Medicinal Chemistry of atypical antipsychotics.
V	Medicinal Chemistry of Angiotensin Converting Enzyme (ACE) inhibitors.
W	Medicinal Chemistry of calcium channel blockers.
X	Medicinal Chemistry of statins (HMG-CoA Reductase inhibitors).
Y	Medicinal Chemistry of antiplatelet agents.
Z	Medicinal Chemistry of vitamin K antagonists.

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

# 4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies:

-	
V	
_	

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

Due to corona pandemic, no availability for external evaluation 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 TakenAction ResultsAction Analysis					
Support self learning through internet searches		Students did searches and projects	More enhancement of self learning		

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		
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: Prof. Dr. Mohamed El husseiny Elsadek Date: / /

# **COURSE REPORT**

**Clinical Pharmacy 2** 

Fourth level –Semester 8

2019-2020

# Course Report of Clinical pharmacy II

University: Zagazig Faculty: Pharmacy

**Department:** Pharmacology & Toxicology

- A- Basic Information:
  - **1. Title and code:** Clinical pharmacy II PP 804

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

- 3. Year/ Level of programme: Fourth level (eighth semester)
- 4. Units/Credit hours:



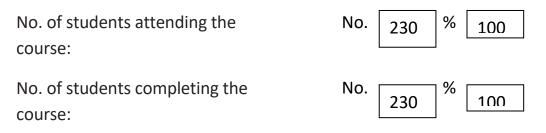
# 5. Names of lecturers contributing to the delivery of the course:

- Prof. Dr/ Salah Gharieb
- Dr/ Esraa Zakaria

6. Course coordinator: Prof. Dr/ Salah Gharieb

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

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



Results: Passed: No. 230 % 100 ailed: 0 % 0 No.

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

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

Topics actually taught	No. of hours	Lecturer
Thyroid gland	2	Prof. Dr/ Salah Gharieb
Adrenal gland	2	
Diabetes	2	
Diabetic complications	2	
Insulin regimen	2	
Oral hypoglycemics	2	
Introduction to hormones	2	Dr/ Esraa Zakaria
Menstrual disorder. & Menopause	2	
Obesity & pcos.	2	
Contraception & PMS.	2	
Male & female sex hormones.	2	
Pituitary gland hormones.	2	

# Reasons in detail for not teaching any topic:

Because of COVID-19 pandemic and change of assessment method,

students' activity through the course was cancelled

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

>90%	٦	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 (In-class or online):	٧
Practical training/ laboratory:	<b>v</b>
Seminar/Workshop:	-
Class activity:	٦/
Case Study:	-

Other assignments/homework: V

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

### 3- Course learning outcome assessment:

Because of COVID-19 Pandemic, the assessment methods were modified according to the descision of The Supreme Council of Universities.

The final written exam was replaced by preparation of a research 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:

<ul> <li>Testosterone undecanoate</li> <li>Cyproterone (steroid Ts Receptor antagonists)</li> <li>Flutamide (non-steroid Ts Receptor antagonist)</li> <li>Spironolactone (Potassium sparing diuretic that inhibits androgen receptors )</li> </ul>
<ul> <li>Finasteride (5α- reductase inhibitors)</li> <li>Ketoconazole use as anti androgen</li> </ul>

#### 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

٦/

### 5- Administrative constraints:

List any difficulties encountered:

# 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 points:	-Good planning for students projects regarding time, follow up, determination of objectives, 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 upload lectures and organize the interaction process with students

Unavailability of teaching studio equipped with audiovisual facilities for recording lectures

# 8- Comments from external evaluator(s):

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

# 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. Surprise quiz to encourage students to attend lectures regularly	completed				
<ul> <li>b. Supply lab by</li> <li>data show and</li> <li>chairs.</li> </ul>	completed				

Actions Recommended for	Intended Action Points	Start	Completion	Person
Further Improvement	(should be measurable)	Date	Date	Responsible
Practical exam is divided into two practical exams for effective evaluation of students.		2019-2020	2021-2020	Course coordinator
Supplying the electronic sources of the course to students.		2019-2020	2020-2021	Course team
APPLY BLENDED LEARNIING		2019-2020	2020-2021	Course team

Signature:

Date: / /

# **COURSE REPORT**

Phytotherapy

Fourth level –Semester 8

2019-2020

# **Course Report of Phytotherapy**

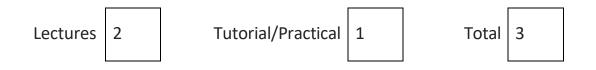
Institution: Zagazig University

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 807
4. Department offering the course: Pharmacognosy
5. Academic year Level: Fourth year/Eight semester

## 6. Units/Credit hours:



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

- Prof. Dr. Samih El-Dahmy
- Prof. Dr. Zeinab Ibrahim
- Ass. Prof. Dr. Rehab Hamed
- 8. Course coordinator: Prof. Dr. Samih El-Dahmy
- 9. External evaluator: Prof. Sayed Abou Tabl.
- **B- Statistical Information:**

	No. of students attending the course:			No. 235	% 100
	No. of students completing the course:		No. 235	% 100	
	Results:				
Passed:	No. 235	100 %	Failed:	No. 0	% 0

# **C- Professional Information:**

# 1 - Course teaching:

Topics actually taught	No. of hours	Lecturer
-Definition, history and forms of	2	Prof. Dr. Samih
alternative medicine.	-	El-Dahmy.
-Preparation of herbal medications		
-Herbal medicine versus conventional	2	
medicine.	-	
-Identity, efficacy and standardization		
of herbal medications.		
Herbal remedies for dermatologic use.	2	
-Herbal remedies for colds and flue	2	
-Herbal remedies for respiratory tract problems		
-Herbal medications and	2	
nutraceuticals for arthritis	2	
-Herbal medications and	2	
nutraceuticals for renal problems.	2	Ass. Prof.
-Herbal medications and	2	Rehab Hamed
nutraceuticals for hepatic disorders.	2	
-Drugs used for anxiety and as tranquilizers.	2	
- Narcotic drugs	2	

-Herbal medications and nutraceuticals for diabetes.	2	Prof. Dr. Zeinab Ibrahim
-Herbal medications for circulatory disorders	2	
-Herbal remedies for digestive disorders.	2	
-Herbal medications and nutraceuticals for cancer (prevention/ treatment)	2	

#### 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:	٦/
Practical training/ laboratory:	
Seminar/Workshop:	
Class activity:	٦/
Case Study:	٦/

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons: Activities (internet search and report preparation

#### about different health problems e.g. renal, hepatic and diabetes disorders)

#### **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. Samih El-Dahmy	1- Herbal treatment of some diseases produce from immunity system disorders.		
	2-Diseases treated with Mind-Body Medicine		
	3-Herbal Supplements with Risky Drug Interactions		
	4-Bronchodilators and Decongestants.		
	5-Diagnosis and treatment of rheumatoid arthritis		
	6-Hemorrhoids: Signs, Diagnosis, and Herbal treatment		
	7-Obesity .causes and herbal aids		
	8-Diagnosis and treatment of Gout and Pseudogout.		
	9-Anti-Aging Natural drugs.		
	10-10-Drugs –food interactions		
	• Notes:		
	• The origin, active constituents, mechanism of action, doses, side effect for all herbs must be written .		
	• Symptoms of all diseases must be written.		
	• Drug herb – interaction for all herbs		
Prof. Zeinab Ibrahim	1-COVID -19 prevention and treatment with medicinal plants		
	2-Phytotherapy of Irritable Bowel Syndrome (IBS).		
	3-Botanical laxatives used to treat constipation.		
	4-Phytotherapy of Gastritis and Peptic ulcer disease.		
	5-Antidiabetic effects of some Egyptian plants and their medical potency.		
	6- Roles of some plants to treat hypertension.		
	7-Phytotherapy used in treatment of Cardiovascular.		
Ass. Prof. Rehab Hamed	Dicuss one of these topics:		
	1- Phytotherapy of Urinary tract infection [UTI]		
	2- Phytotherapy of water retention		

#### List of projects:

3-Alzheimer's disease
4- Depression
5- narcotic analgesics
7- Hepatitis
8-Hepatic Encephalopathy
• Notes:
• mechanism of action, doses, side effect for all herbs must be written .
• Symptoms of all diseases must be written.
• Drug herb – interaction for all herbs

#### Role of external evaluator:

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

Well designed course

#### 4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	<b>v</b>
Inadequate	
List any inadequacies:	

#### 5- Administrative constraints:

List any difficulties encountered:

Technological difficulties in making an interactive lecture as there is no official platform for the faculty.

Difficulty to perform electronic exams.

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

Student questionnaires showed a high percentage of satisfaction concerning the quality of the course (91.5 %)

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

Comments	Response of course team	
- Course aims are very clear and linked to program aims		
<ul> <li>Course topics are recent.</li> <li>Student assessment methods are suitable.</li> </ul>		

# 8- Course Enhancement:

Action required	State whether or not complete to give reasons for any non completion
Support self learning through internet searches.	Complete
Addition of more students activities.	Complete
Using additional learning and teaching methods such as Role- play method to encourage students to interact effectively with lecturers.	Not complete due to corona virus pandemic

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

Action required	Completion date	Person responsible
-----------------	-----------------	--------------------

Using additional learning and teaching methods such as Role-play method to encourage students to interact effectively with lecturers .	2020/2021	Course Team
Modulate course spec, teaching methods and assessment methods to be suitable for blended learning strategy.	2020/2021	Course Team
Caring out electronic exams	2020/2021	Course Team Faculty administration

# Course Co-coordinator: Prof. Dr. Samih El-Dahmy

Signature:

Date: / /2020

# **COURSE REPORT**

Pharmaceutical Analysis

& Quality Control

Fourth level –

Semester 8

2019-2020

# **Course Report of Pharmaceutical Analysis & Quality Control**

Institution: Zagazig University

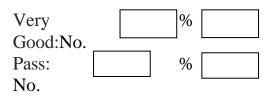
Faculty : Pharmacy

#### A Desis Infe ------

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: PC 808
4. Department offering the course: Analytical chemistry
5. Academic year Level: Fourth level / semester 8
Units/Credit hours:
Lectures   2   Practical   1   Total   3
5. Names of lecturers contributing to the delivery of the course: Prof. Dr. Hisham ezzat Ass. Prof. Dr. Manal El Masry Dr. Sara Anis Dr. Yasmin Sharaf Dr. Rania Adel
6. Course coordinator: Prof. Dr. Hisham ezzat
7. External evaluator:
• External evaluator: Prof. Dr/ Yaser El shabrawy
B- Statistical Information:
No. of students attending the course:No. 245% 100%No. of students completing the course:No. 245% 100%Results:245% 100%
Passed:         245         No.         100 %         Failed:         0         %         0 %

Grading of successful students:

Excellent:	No.	%
Good :	No.	%



# **C- Professional Information:**

# **1 - Course teaching:**

Topics actually taught	No. of hours	Lecturer	
Drug registration and assessment	2		
Analytical Problem: sampling and experimental errors	2		
Analytical Problem: Choice of methods of an analysis and validation	2	Prof. Dr. Hisham Ezzat	
Drug stability and degradation product	2		
Drug stability and degradation product	2		
Function group analysis Classical analysis	2	Ass.Prof. Dr.	
Function group analysis - Instrumental analysis	2	Manal Elmasry	
Automation in pharmaceutical analysis	2		
Automation in pharmaceutical analysis	2	Dr. Rania Adel	
Determination of active ingredients in Tablets semisolid and eye drops	2		
Determination of active ingredients in injection and suppositories	2	Dr. Yasmin Sharaf	
Determination of active ingredients in aerosols inhalation	2		
Quality assurance of pharmaceuticals	2		
G.M.P ,ISO and BSI		Dr. Sara Anis	
Open discussion	2		

Topics taught as a percentage of the content specified:

>90% v 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:	٧
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:

List of projects:		
Teaching staff	List of projects	
Prof. Dr.Hisham Ezzat Dr. Rania Adel	Each student was assigned a name of	
	drug and search about:	
	Part One:	
	1- Introduction about drug regarding	
	chemical structure, formula, etc	
	2- Introduction about the previuos	
	method of analysis.	
	3- Stability indicating method of	
	analysis (SIM)	
	4- Suggestion of method of analysis for	
	the degradation product.	
	Part Two:	
	Each student search for the article	
	illustrating the determination of the	
	assigned drug using one of the	
	following methods:	
	A- Spectroscopy.	
	B- Chromatography.	
	C- Electrochemistry.	
	Then, the student would discuss the	
	validation parameters in this article.	

# **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	<ul> <li>Good planning for students projects regarding time,</li> </ul>
through projects preparation in the following	follow up.
point:	- Address the faculty
	administration to provide
- No follow up from some staff members	more electronic facilities for
- No enough facilities for electronic education.	education such as computers
	and good internet
	connection.

# 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):

Aim of the course is clear and there is consistency between the theoretical and practical parts.

# 9- Course enhancement:

Actions Recommended for Further Improvement	Start Date	Completion Date	Person Responsible
- Revision of some course chapters and deletion of any repeated contents.	2020-2021	2020-2021	Course instructors
- Good planning for students projects regarding time, follow up.	2020-2021	2020-2021	Course instructors
- Provide more electronic facilities for education such as computers and good internet connection	2020- 2021	2020-2021	Faculty administration

Signature: Prof. Dr. Hisham ezzat

Date: / /

COURSE REPORT Clinical biochemistry Fourth level –Semester 8 2019-2020

# **Course Report of clinical biochemistry**

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: PB 803
4. Department offering the course: Biochemistry
5. Academic year Level: Fourth level /Eighth semester
Units/Credit hours:
Lectures   2   Practical   1   Total   3
5. Names of lecturers contributing to the delivery of the course:
Prof. Dr. Mohamed Elsweidy
Prof. Dr. Sousou Ibrahim
6. Course coordinator: Prof. Dr. Mohamed Elsweidy
7. External evaluator:
Prof. Dr. Mammdouh El-Shishtawi (Mansoura University)
B- Statistical Information:
No. of students attending the course: No. 238 % 100%
No of students completing the course: No%
Results:
Passed: 238 No. 100 % Failed: 0 % 0%
Grading of successful students:
Excellent: No. % Very %
Good :     No.     %

No.

## **C-Professional Information:**

# **1 - Course teaching:**

Topics actually taught	No. of hours	Lecturer
- Organ biology (liver, kidney and		
heart).		
-Gastrointestinal tract.	12	Prof. Dr. Sousou Ibrahim
- Carbohydrates disorders.		
- Lipid and protein disorders.		
- Endocrine system.	12	Prof. Dr. Mohamed Elsweidy
- Bones and bones disorders.		

# Topics taught as a percentage of the content specified:

>90% 🗸
--------

70-90%	
/0-90%	

<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:	V
Practical training/laboratory:	-
Seminar/Workshop:	-
Class activity: role play	-
Case Study:	V

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:

	Topic 14: Hypolipidemic drugs, types and	
	mechanism of action.	
	Topic 15: Acquired hyperlipidemia.	
	Topic 16: Role of Vitamins in immunity.	
	Topic 17: Therapeutic treatment of	
	osteoprosis.	
	Topic 18: Bone turnover and factors	
	affecting it.	
	Topic 19: Relation between obesity and	
	DM.	
	Topic 20: Laboratory evaluation of bone	
	fragility.	
Prof. Sousou Ibrahim	Topic 1 : Biochemical tests of blood	
	glucose and WHO criteria for diagnosis of	
	diabetes.	
	Topic 2 : Fasting hypoglycemia.	
	Topic 3: Andersen's disease.	
	Topic 4: Favism.	
	Topic 5: Acute myocardial infarction.	
	Topic 6: Pancreatitis.	
	Topic 7: Cystic fibrosis.	
	Topic 8: Kidney dysfunction.	
	Topic 9: Urine as an important diagnostic	
	sample.	
	Topic 10: Cholestasis.	
	Topic 11: An inhereted liver disease.	
	Topic 12: Hepatitis.	
	Topic 13: Inflammatory bowel disease	
	Topic 14: Celiac disease.	
	Topic 15: Stool as an important diagnostic	
	tool.	
	Topic 16: Assessment of liver synthetic	
	function.	
	Topic 17: Achlorhydria.	
	Topic 18: Assessement of hepatocellular	
	function.	
	Topic 19: Zollinger and Ellison disease.	
	1 0	
	Topic 20: Dumping syndrome.	

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

# 4- Facilities and teaching materials:

Totally adequate

Adequate to some extent	V
Inadequate	-

List any inadequacies:

- Internet was not available in addition to the difficulty of lecture download for some students

# **5- Administrative constraints:**

Absence of well equipped computer lab with good internet connection.

# 6- Student evaluation of the course:

List any criticism	Response of course team
•E-learning is not suitable for all	• Providing those students with all
students due to different and	methods they need will be considered
difficult circumstances.	•There is no intention to replace
•E-learning shouldn't replace	traditional learning by E-learning.
traditional one.	Both go side by side to achieve our
	targets.

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

# by projects.

- Unavailability of suitable method to contact with students.
- Unavailability of teaching studio equipped with audiovisual facilities for recording lectures.

# 8- Comments from external evaluator(s):

Well structured course

# 9- Course enhancement:

1. Progress on actions p	roposed for improvi	ng the course in previous of	course reports (if any).
Actions recommended from the most recent course report(s)	Actions Taken	Action Results	Action Analysis
External examiner for evaluation of student during oral exam.	Not completed	Not completed	As no written exam was performed due to Corona pandemic and written exam was replaced by performing researches
Increase the discussion hours through labs.	Not completed	Not completed	As the practical labs were stopped due to Corona pandemic

Actions Recommended for Further Improvement	Start Date	Completion Date	Person Responsible
Implementation of blended learning	2020-2021	2020-2021	Vice dean and the department
Increase the discussion hours through labs.	2020-2021	2020-2021	Course team
Measurements of course ILOs	2020-2021	2020-2021	Course team

Course Coordinator: Prof. Dr. Sousou Ibrahim

# Signature:

Head of Biochemistry department: Ass. Prof. Nahla Nabil Younis

# Signature:

Date: Course report was approved in department council on

# **COURSE REPORT**

**Drug marketing** 

Fourth level –Semester 8

2019-2020

# **Course Report of Drug marketing**

Institution: Zagazig University

Faculty : Pharmacy

# A- Basic Information:

1. Program (s) on which the course is	s given: Bachelor of Pharmacy (clinical Pharmacy)
2. Major or Minor element of program	ns: Major
	5
3. Code: PP 806	
4. Department offering the course:	Business administration department ,Faculty of Commerce
5. Academic year Level: third level /	semester 6

### Units/Credit hours:



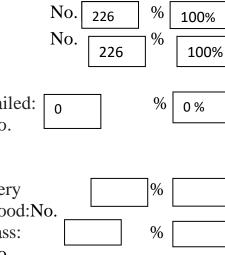
- 5. Names of lecturers contributing to the delivery of the course: Prof. Sherif A. El-Aasi Prof. Mohammud G. Elshawadfy
  - Dr Omnia helal
- 6. Course coordinator: Prof . Dr. / Sherif A. El-Aasi

# 7. External evaluator:

# **B-** Statistical Information:

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

**Results:** Passed: Failed: No. 226 100 % 0 No. Grading of successful students: Excellent: Very No. % Good:No. Good : No. % Pass: No.



# **C- Professional Information:**

# **1 - Course teaching:**

Торіс	No of hours	Lecturers
Marketing definition Marketing planning		
Marketing environment	7	Prof. Sherif A. El-Aasi
Managing marketing information Consumer and business buyer		
behavior		
Market segmentation, targeting	7	
and positioning		
Products, services and branding		
strategy		Prof. Mohammud G. Elshawadfy
Pricing strategies		
Pricing strategies		
marketing channels		
Promotion strategies		

# Topics taught as a percentage of the content specified:

>90%

70-90%

<70%

Reasons in detail for not teaching any topic:

٧

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

# 2- Teaching and learning methods:

Lectures:	V
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
Prof. Sherif A. El-Aasi	<ul> <li>Q1: marketing must be understood not in the old sense of making a sale-" telling &amp;selling" – but in the new sense of satisfying customer needs</li> <li>Q2: each company must find the game plan for long run survival and growth that makes the most sense given its specific situation, opportunities, objectives and resources.</li> <li>Q3: more than any other group in the company, marketers must be environmental trend trackers and opportunity seekers</li> <li>Q4: although customer and market insights are important for building customer value and relationships, these insights can be very difficult to obtain</li> <li>Q5: consumers make many buying decisions every day and the buying decisions is the local point of the marketer's effort</li> </ul>
Dr Omnia helal	<b>Q6</b> :companies today recognise that they cann't appeal to all buyers in the marketplace or at least not to all buyers in the same way
	Q7:marketing is all about building brands that connect

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deeply with the customers. How companies develop and manage products and brands represent that the first element of the marketing mix. <b>Q8:</b> value-seeking customers have put increased pricin pressure on manycompanies <b>Q9:</b> building good customer relationships calls for more than just developing a good product, pricing it attractively, and making it available to target customer
--

# Evaluation of course content and final exam :

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

Totally adequate Adequate to some extent Inadequate

-	
V	

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
2-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. Sherif A. El-Aasi

Date: / /

# **COURSE REPORT**

**Drug interactions** 

Fourth level –Semester 8

2019-2020

# **Course Report of Drug interactions**

University: Zagazig Faculty: Pharmacy Department: Pharmacology

A- Basic Information:

1. Title and code: Drug interactions PO 803

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

**3. Year/ Level of programme:** Fourth year (eighth semester)

4. Units/Credit hours:

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

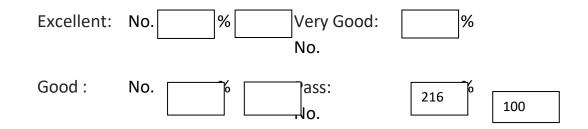
- Dr.Shimaa Samy Mahmoud
- Dr.Noura Ahmed Hassan
- Course coordinator: Dr.Shimaa Samy Mahmoud

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

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

No. of stude course:	nts attending the	No.	216	% 100
No. of stude course:	nts completing the	No.	216	% 100
Results: Passed:	No. 216 10	0 ed: No.		%

Grading of successful students:



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

### 1 - Course teaching:

Topics actually taught	No. of hours	Lecturer
Overview of drug interactions	2	Dr.Shaimaa Samy
Mechanisms of drug interactions	2	
Drug-food and drug-herb interaction	2	
Drug interaction of antibiotics	2	
Drug interaction of CVS acting agents	2	
Drug interaction of CNS acting agents	2	Dr.Noura Ahmed
Drug interaction of respiratory system – acting agents	2	
Drug interaction of GI tract acting agents	2	
Drug –environment interactions	2	
Drug interaction of NSAIDS,DMARDS and anti gout agents	2	

# Topics taught as a percentage of the content specified:

>90%

٦/

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:	ν
Case Study:	V

Other assignments/homework: V

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- 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	
Dr.shaimaa Samy	1	Pharmacokinetic interactions + Clinical case	
	2	Pharmacodynamic interactions + Clinical case	
	3	Grapefruit-drug interactions + Clinical case	
	4	St.John's wort-drug interactions + Clinical case	
	5	Drug interactions of antihypertensives (diuretics) + Clinical case	
	6	Drug interactions of antihypertensives (sympatholytics) + Clinical case	
	7	Drug interactions of antihypertensives (direct vaodilators and Ca <sup>+2</sup> -ch blockers) + Clinical case	
	8	Drug interactions of antiarrythmics + Clinical case	
	9	Drug interactions of antianginal drugs + Clinical case	
	10	Drug interactions of anticoagulants and antiplatelets + Clinical case	
	11	Drug interactions of antihyperlipidemic + Clinical case	
	12	Drug interactions of cardiac glycosides + Clinical case	
	13	Drug interactions of antibiotics (cell wall Synthesis inhibitors) + Clinical case	
	14	Drug interactions of antibiotics (30S protein synthesis inhibitors) + Clinical case	
DR.Noura Ahmed	1	Drug interactions of antibiotics (50S protein synthesis inhibitors) + Clinical case	
	2	Drug interactions of antibiotics (DNA synthesis inhibitors) + Clinical case	
	3	NSAIDs interactions + Clinical case	

		-
4	DMARDs interactions + Clinical case	
5	Anti-gout drugs interactions + Clinical case	
6	Drugs used in asthma interactions + Clinical case	
7	Drugs used in Allergic rhinitis interactions + Clinical case	
8	Drugs used in Cough interactions + Clinical case	
9	Antacids interactions + Clinical case	
10	Antiemetics, laxatives and antidiarrheals interactions + Clinical case	
11	Anti-Parkinson's drug interactions + Clinical case	
12	Antidepressants drug interactions + Clinical case	
13	Antipsychotics and anxiolytic and Hypnotic drug interactions + Clinical case	
14	Anticonvulsant drug interactions + Clinical case	

# Members of examination committee:

- 4- Facilities and teaching materials:
  - Totally adequate
  - Adequate to some extent
- \_\_\_\_\_

- Inadequate
- List any inadequacies: ----
- -poor intrnet 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	-insert preparation of projects as a tool for
course but they complained from	assessment
assessment through projects preparation in	-Good planning for students projects
the following point:	regarding time, follow up, determination
-No follow up from some staff members	of objectives, references and assessment criteria
-No determination of list of references for	
each project	
-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

# 7- Comments from external evaluator(s):

Comments	Response of course team
<ul> <li>Scientific content of the course is in accordance with educational objectives</li> <li>Course content covers important &amp; essential topics</li> </ul>	
<ul> <li>Time available to assess the student during the oral exam isn't appropriate</li> </ul>	Taken in consideration

# 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	
Using additional	completed			
learning and				
teaching methods				
such as group				
discussion to				
encourage				
students to				
interact				
effectively with lectures				

2. Action Plan for Next Semester/Year				
Actions Recommended for	Intended Action Points	Start	Completion	Person
Further Improvement	(should be measurable)	Date	Date	Responsible
Apply blended learning		2020	2021	Course
				team
Measurement of ILOS of		2018-	2020-2021	Course
course		2019		team

Signature:

Date: / /

# **COURSE REPORT**

**Cosmetic (elective)** 

Fourth level –Semester 8

2019-2020

# **Annual Course Report**

University:Zagazig

Faculty: Pharmacy

**Department:** Pharmaceutics

<u>A – Basic Information:</u>

- **Title and Code:** Cosmetics (PT E 14)
- **Program(s) on which this course is given:** Bachelor of pharmacy (clinical pharmacy)
- Year / Level of programs: Fourth year (Eighth Semester)
- Units / Credit hours: 3 hrs/week

Lectu	res 2	2 hrs.	Practical sessions	1 hr.	Total	3 hrs.	
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• Names of lecturers contributing to the delivery of the course: Prof. Dr. Hanan El-Nahas

Ass. Prof. Dr. Azza Ali Hassan

Dr. Eman Gomaa

- Course coordinator:
  - Ass. Prof. Dr. Azza Ali Hasan
- External evaluators:
  - Prof. Dr. Gamal Elmaghraby (Tanta University)

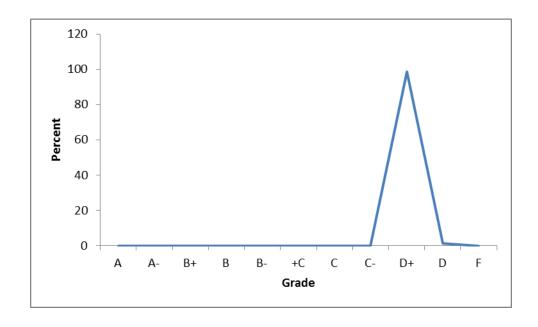
# **B- Statistical Information:**

No. of students attending the course	133	100 %
No. of students completing the course	133	100 %

Results:					
Passed	133	100 %	Failed	0	0 %

# Grading of successful students:

Grade	Student Number	Percent
А	0	0
A	0	0
B <sup>+</sup>	0	0
В	0	0
B	0	0
C+	0	0
C	0	0
C-	0	0
D+	131	98.49
D	2	1.5
F	0	0



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

# 1-Course teaching:

Topics	No of hours	Lecturer
	nours	
- Definition and Classifications of cosmetics	2	Ass. Prof. Dr. Azza
- Skin, functions, structure. Glands, Skin types and Skin color		Ali Hasan
- Hair structure and color	2	
- Creams. uses, classification		
Skin cleansing creams: Cold cream, Sorbitan fatty acid ester cream,	2	
Acid containing cleansing cream, Detergent cleansing cream,		
Antibacterial cleansing cream		
- Vanishing and foundation creams	2	
- Shaving preparations: Preshaving preparation, Shaving creams and		
gels: brushless shaving creams lather shaving creams, soap,		
foaming shaving products, shaving gels.		
- Commonly used additives added to creams	2	
- Past: types, preparation, difference between past and ointment.		
Tooth paste	2	
Hair care products (Hair shampoo, hair conditioner, styling aid, hair		
dyes , hair tonic and depilatories)		
- Bath preparations and baby cosmetics	2	Prof. Dr. Hanan
- Cosmetics FOR NAILS, Nail Lacquers And Removers; Basic		El Nahas
components		
Colour cosmetic and Face makeup(toilet powder, lip sick, mascara,	2	
eye liner and eye shadow)		
Antiperspirant & Deoderant materials and formulations, Fragrance	2	
preparations (Perfumes)		
Sunscreen, sun block and sun protection factors, Sun Tanning,	2	
Sunless tanning		
Skin whiting product	2	Dr. Eman Gomaa
- Antiaging&Antiwrinkles and Antiacne products		
- Comparison between Facial Masks and Facial Packs	2	

|--|

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

>90 %	V	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

Lectures	٧
Practical Training / Laboratory	V
Seminar / Workshop	-
Class activity	√
Case study	-
Other assignment / homework	√

### 2-Teaching and learning methods:

• 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-** 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

Cosmetics preparations are products used by human to enhance or change the appearance. Many cosmetics are designed for use of applying to the face and body. This broad definition includes any material intended for use as an ingredient of a cosmetic product for your topic write a report including all items and explain your discussion with figures and tables. Confirm your report with references.

#### 1- Fragrance products:

- What is meant by a Fragrance product;
- What are main ingredients in a fragrant product and the different sources of aroma,
- From your point of view; is fragrance toxic in cosmetics preparations, and how to choose the best fragrance product,
- How a fragrance product be evaluated (characterized).
- How to know if a fragrance preparation is regulated as a cosmetic
- How to choose fragrance for product,
- What are the safety requirements of a fragrance preparation.
- Is smelling good always comes with a cost to health; leave your comment

#### 2- Sunscreens versus Sun blocks;

- What are the effect of ultraviolet radiation on skin and the mechanism of photoreaction,
- Explain the differences between sunscreen and sunblock in how they protect the skin against harmful UV rays with examples,
- What is meant by in vitro and in vivo SPF and explain its importance as a laboratory measure of sunscreen effectiveness.
- There are two different types of sunscreen; what are they and their mechanism of action
- What sunscreen dose dermatologist recommend and which is banned,
- Can natural chemicals be used as sunscreen
- Sunscreen and sunblock; which is the best to prevent skin cancer

- How sunscreen be evaluated (in vitro and in vivo).

#### 3- Tanning;

- What does tanning do with your skin
- Does tanning permanently darken skin and how can be removed,
- Explain different methods to get your skin tanned; Sun and Sunless tanning
- What is meant by bronzers; give example in the market and explain its mechanism to make the skin tanned.
- From your point of view; is tanning bad to skin health
- How bronzers be evaluated, and the recent advances in skin tanning

#### 4- Skin whitening;

- What is the difference between these terms; skin whitening, lightening, brightening
- How you can lighten your skin tone, is that permanent and what are the effective and banned products in this field.
- Tretinoin, Hydroquinone, Vitamin C, Alpha hydroxy acids; explain how they are effective in lightening the skin tone.
- Natural products used in lightening skin, skin whitening injections,
- Is lightening skin is dangerous, and what are the possible side effects
- Cryosurgery is an alternative method to Ablative and non-ablative lasers; explain the difference between them; their techniques, applications, effectiveness.

#### 5- Anti-aging products;

- How they work in preventing or reverse signs of skin aging,
- What are the main chemicals, invasive procedures, chemical peels
- How are they evaluated; The efficacy evaluation of anti-aging cosmetics (in vitro and in vivo)
- Botox; what is it and its effectiveness in that field
- What is the injectable skin rejuvenation and dermal fillers
- New advances in anti-aging cosmetics
- 6- Creams

- Skin (types, anatomy, function)
- Definition , types and mechanism of action of each type,
- Classification
- Main chemicals of each type
- Ideal properties of each one .
- Package and Storage of cream

#### 7- Shaving Preparations

- Hair (structure , type and function )
- Definition of shaving process and type of shaving preparation
- Types of shaving cream
- Chemicals used in the preparation
- Evaluation of shaving preparations
- Dentifrices (types, active ingredients, preparation, uses, safety and evaluation)

#### 8- PASTES

- Definition, difference than ointment and cream
- Types and chemicals used in preparation of each type
- Tooth paste , Chemicals and their importance in preparations
- Types of tooth paste , baby tooth paste and when can a child use regular toothpaste?
- Therapeutic indication of ZnO paste

#### 9- Shampoo Products

- Definition and Types
- The basic ingredients in a shampoo formulation (detail)
- Manufacture of shampoo and main active ingredients used
- Evaluation of shampoo
- Antidandruff shampoo, application, Ingredients, etiology of dandruff
- Packaging
- Hai dye products (ideal characters , types, dye remover and their mechanism of action)

- Hair tonic products

#### **10- Eye makeup Products:**

- Classification of eye cosmetics preparation,
- Eye shadow (Types, ingredients, application, safety, evaluation)
- Eye liner (Types, ingredients, application, safety, evaluation)
- Eye brow products
- Mascara (Types, ingredients, application, safety, evaluation, packaging)
- Safety of eye product and eye care product
- Contact lenses (Types, materials, disadvantages)

#### **11-TOILET POWDERS**

- Definition and types
- Characters of ideal power
- Components of powder (advantages and disadvantages of each one)
- Packaging , stability
- Deodorant and anti fungal powder (composition, uses, main ingredient)
- Baby powder (application, composition, importance)
- The main ingredient in face powder
- pressed and loose powder , which one is better and why?

#### 12- LIP STICK

- Definition and types
- Is lipstick make up?
- Materials of matte and glossy lipstick ,
- Lip Balm
- Lip Liner
- Lip Plumper
- Lip Tint.
- Lipstick colors
- Toxic Ingredients in Lipstick
- Defects in lipstick preparations, preparation method and evaluation of lipstick products

#### **13-Hygiene products**

- Types
- Preparation
- uses and safety.
- Best personal hygiene product
- How can we maintain hygiene at home?
- What are the 10 personal hygiene? (Detail)
- Material used and evaluation of the product

#### 14-Baby Cosmetics

- Different kinds and classification
- Natural & Organic Baby & Kid Care products
- When can use baby cosmetic product?
- Baby care products
- Baby and safety of cosmetic products
- preparation and evaluation of the products

#### **15-DEODORANTS & ANTIPERSPIRANTS**

- Types of sweat glands
- Is deodorant and antiperspirant depend on skin type
- Main difference between deodorant and antiperspirant (mechanism of preventing sweat, chemicals, application)
- What to avoid?
- deodorant and antiperspirant for sensitive skin
- deodorant and antiperspirant cancer
- Best antiperspirant and deodorant
- Toxic ingredient

#### **16-COSMETICS FOR NAILS**

- Nail (Definition, anatomy)
- Types
- Nail cosmetics problems and causes
- Nail polish product (Uses , chemicals , applications, importance)
- Nail art cosmetics

- Main chemicals of nail cosmetics (advantages of each and disadvantages and haw can over com their disadvantages)
- Coloring agents (safety, toxicity)
- Evaluation
- Nail liquor remover (type, toxicity, safety)
- Artificial nails (How artificial nails are made, material, why use it)
- Is it safe for infant

# Members of examination committee:

Pro. Dr. Hanan El-Nahas

Ass. Prof. Dr.Azza Ali Hassan

# 4-Facilities and Teaching Materials:

Totally adequate	
Adequate to some extent	v
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
students were 100% satisfied of the course and we did not receive	They were satisfied about the

# 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

Comments from external evaluator:	Response of course team
References need updating	Course team will update the references in the next
	course specification

# 8- comments from external evaluator(s) :

# 9- Course Enhancement :

Comments from external evaluator:	Response of course team
- Updating some of the topics in the course specification	Completed

# Action Plan for Academic Year 2020-2021:

Action required	Completion date	Person responsible
Revision of the course references	2019– 2020	Course instructors
Development of search skills through course assignments	2020– 2021	Course instructors
Apply blended learning	2020– 2021	Course instructors

- -----
  - Course Coordinator :. Ass. Prof. Dr. Azza Ali Hasan

# **Course Report**

Elective course (Chromatography and separation techniques

**Fourth level – Eighth** 

semester

# 2019-2020

#### **Course Report of Chromatography and separation techniques**

Institution: Zagazig University

Faculty : Pharmacy

#### A- Basic Information:

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

Major

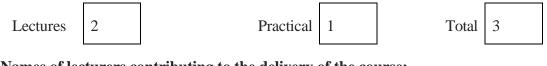
2. Major or Minor element of programs:

3. Code: **PG E10** 

4. Department offering the course: Pharmacognosy Department

5. Academic year Level: Fourth level /Eighth term

#### **Units/Credit hours:**



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

Prof. Assem El-Shazly

Prof. Fawkia Abbas

Dr. Rasha Adel

#### 6. Course coordinator:

Prof. Assem El-Shazly

#### 7. External evaluator:

Prof. Dr. Ezzat Abd el-Zaher Mohamed (Professor of Pharmacognosy, Al-Azhar University)

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

No. of students attendin	g the course:	No. 97	% 100%
No. of students complet	ing the course:	No. 97	% 100%
Results:			
Passed: 97	No. 100 %	Failed: 0 No.	% 0 %
Grading of successful st	tudents:		
Excellent:	No%	Very Good: No	%
Good :	No%	Pass:	%

No.

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

# 1 - Course teaching:

Topics actually taught	No. of hours	Lecturer
-Introduction, classification, and terminology and mode of chromatographic separation.	2	Prof. Fawkia Abbas
<ul> <li>Classical chromatographic techniques</li> <li>(Column chromatography)</li> </ul>	2	
- Con. classical chromatographic techniques (TLC and paper)	2	
Non classical chromatographic techniques (HPLC chromatography)	2	Dr. Rasha Adel
- Applications of HPLC chromatography	2	
-Gas chromatography, principle, mobile phase, stationary phase.	2	

Gas chromatography, detectors, quantification and application.	2	
- Retention parameters in GC	2	
- Hyphenated techniques		
-lon exchange chromatography	2	Prof. Assem El-Shazly
- Gel chromatography	2	
- Analysis of drugs in body fluids (Sample preparation and extraction)	2	
- Analysis of drugs in body fluids	2	
(Applications)		
Revision	2	

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

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>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:	V
Practical training/ laboratory:	V
Seminar/Workshop:	-
Class activity: role play	$\checkmark$
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:
1151	UI.	projects.

Teaching staff	List of projects	
Prof. Assem El-Shazly	<ul> <li>Gel chromatography</li> </ul>	
	<ul> <li>Chromatographic application used in detection</li> </ul>	
	of natural toxins, provide examples.	
	<ul> <li>Chromatographic application used in detection</li> </ul>	
	of natural and narcotics	
Prof. Fawkia abbas	Planer chromatography	
	<ul> <li>Column chromatography</li> </ul>	

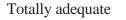
	• Thin layer and thick layer chromatography
Dr. Rasha Adel	<ul> <li>HPLC and its hyphenated techniques</li> </ul>
	<ul> <li>GC and its hyphenated techniques</li> </ul>
	<ul> <li>Ion exchange chromatograpgy</li> </ul>

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Evaluation of course content and final exam :

#### 4- Facilities and teaching materials:



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:

#### <mark>Not available</mark>

#### 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

9- Course enhancement:

First time to be opened as an elective course

Action required	Completion date	Person responsible
Apply electronic exams	2020-2021	Course instructors Faculty vice dean of education
Apply blended learning strategy as combination between on set and on line lectures to be able to decrease numbers and apply social distance	2020/2021	Course instructors

Signature: Assem El-Shazly

Date: / /