

COURSE REPORTS

Faculty of Pharmacy

First year – Semester 2

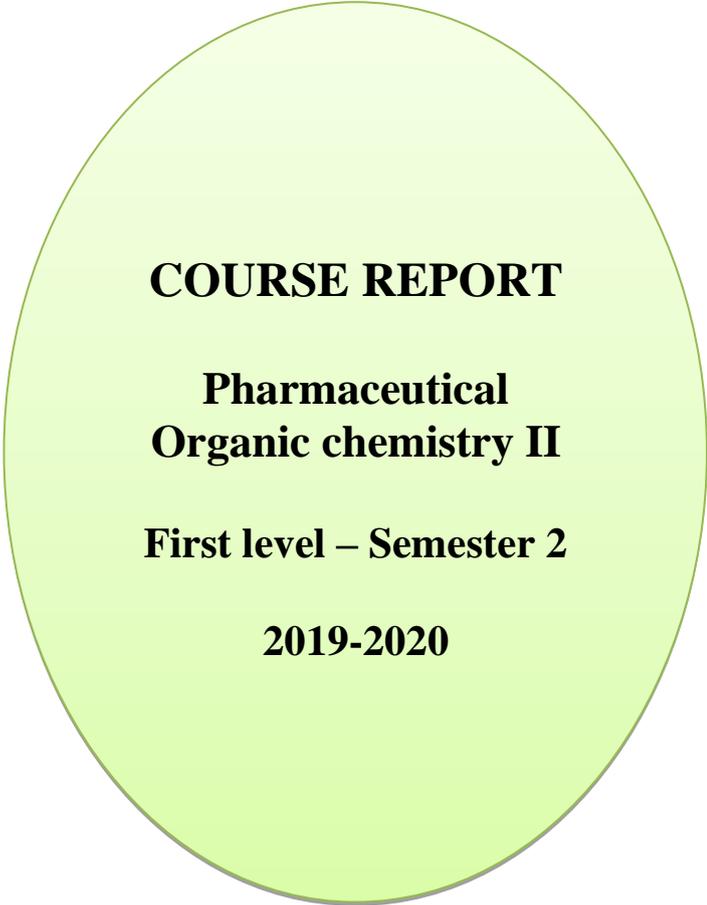
Bachelor of Pharmacy

(Clinical Pharmacy Pharm D)

2019-2020

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COURSE REPORT

**Pharmaceutical
Organic chemistry II**

First level – Semester 2

2019-2020

Course Report of Pharmaceutical Organic Chemistry

University: Zagazig **Faculty:** Pharmacy **Department:**
Pharmaceutical Organic Chemistry

A- Basic Information:

- 1. Title and code: Pharmaceutical Organic Chemistry -2 (PR 202)**
- 2. Programme(s) on which this course is given: Bachelor of pharmacy, Clinical Pharmacy Pharm D**
- 3. Year/ Level of programme: First level-semester-2**
- 4. Units/Credit hours:**

Lectures Tutorial/Practical Total

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

- ✓ **Prof.dr/ Hanan Abdel-Razik Abdel-Fattah**
- ✓ **Prof.dr/ Said Ahmed El-Feky**

6. Course coordinator: Prof.dr. / Hanan Abdel-Razik Abdel-Fattah

7. External evaluator: Prof. dr./Ashraf Biomy (El-|azhar University)

B- Statistical Information:

No. of students attending the course:	No.	<input type="text" value="180"/>	%	<input type="text" value="100"/>
No. of students completing the course:	No.	<input type="text" value="180"/>	%	<input type="text" value="100"/>
Results:				
Passed:	No.	<input type="text" value="180"/>	%	100
Failed:	No.	<input type="text" value="0"/>	%	<input type="text" value="0"/>
Grading of successful students:				
Excellent:	No.	<input type="text"/>	%	<input type="text"/>
Very Good:	No.	<input type="text"/>	%	<input type="text"/>
Good :	No.	<input type="text"/>	%	<input type="text"/>
Pass:	No.	<input type="text"/>	%	<input type="text"/>

C- Professional Information:

1 - Course teaching:

Topics actually taught	No. of hours	Lecturer
Aromatic compounds and aromaticity Electrophilic substitution and orientation	4	Prof.dr./Hanan Abdel-Razik Abdel-Fattah
Aromatic aliphatic compounds(Arenes)	2	
Aromatic nitro compounds	2	
Aromatic halo compounds	2	
Phenols ,aromatic alcohols and ether	2	
Aromatic sulphonic acid	2	
Aromatic amines and diazonium salt	2	
Polynuclear aromatic compounds	2	
(UV) Spectroscopy	2	
(IR)Spectroscopy	2	
(¹ HNMR) Spectroscopy	2	
Mass spectrometry	2	
¹³ CNMR spectroscopy	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:

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 decision 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. Practical exam was delivered as written question for students protection.

List of projects:

Teaching staff	List of projects
Prof.dr/ Hanan Abdel-Razik Abdel-Fattah	<p>A. Synthesis, classification, chemical reaction, biological activities and spectroscopic tool for each drugs containing:</p> <ol style="list-style-type: none"> 1. Phenol 2. Arylhalids and nitro compounds 3. Sulphonic acids and their dervatives 4. Aliphatic aromatic hydro carbon (Arenes) <p>B. Electrophlic substitution reaction Mechanisms andtypes,</p>

Prof.dr./Said El Feky	1. Polynuclear aromatic hydrocarbone and cancer iduced effect 2. Aromatic amines and diazonium salts synthesis, classification, chemical reaction, biological activities and spectroscopic tool for each drugs
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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:

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

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):

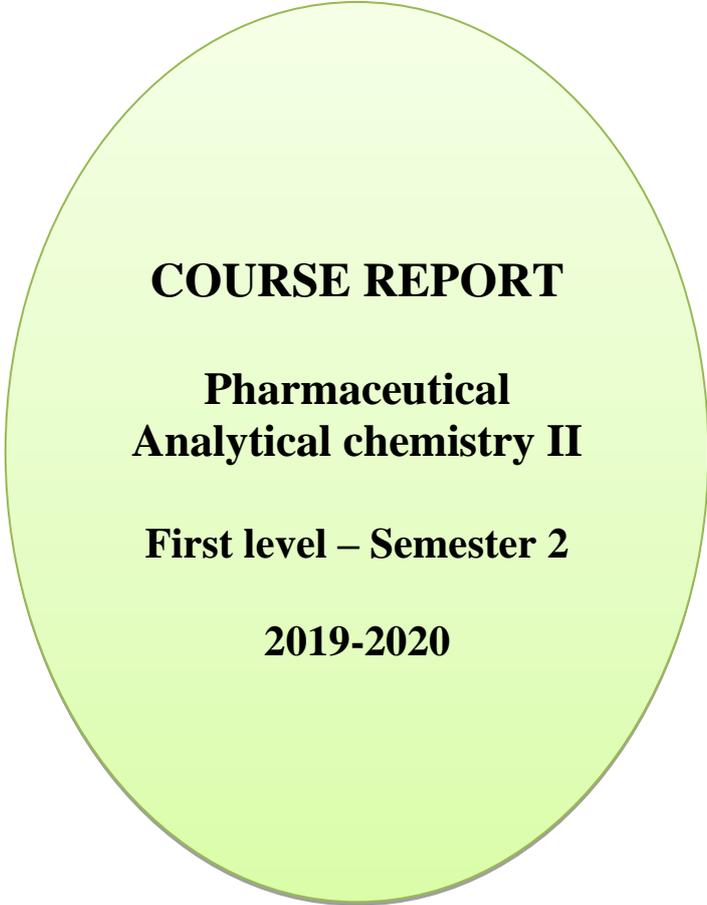
- The course was well designed
- ILOs were properly written

9- Course enhancement

1. Progress on actions proposed for improving the course in previous course reports (if any).			
	Actions Taken	Action Results	Action Analysis
a. Addition of formatives for frequent evolution of students	Student had different questions about lecture topic	Frequent evaluation of the students during the course.	The formatives are marked and course understanding of the students is measured.
B .Addition of activities to enhance developing self learning ability	Cancelled due to change in assessments methods		

2. Action Plan for Next Semester/Year				
Actions Recommended for Further Improvement	Intended Action Points (should be measurable)	Start Date	Completion Date	Person Responsible
Students report to develop writing and presenting skill	Asking student for making a Research in course-related topics	2020	2021	Course team

Signature: prof.dr./Hanan Abdel-Razik



COURSE REPORT

**Pharmaceutical
Analytical chemistry II**

First level – Semester 2

2019-2020

Course Report of Pharmaceutical Analytical chemistry II

Institution: Zagazig University

Faculty : Pharmacy

A- Basic Information:

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

2. Major or Minor element of programs: Major

3. Code: PA 202

4. Department offering the course: Analytical chemistry

5. Academic year Level: First level / semester 2

Units/Credit hours:

Lectures

2

Practical

1

Total

3

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

Prof. Dr. Gamal Hassan Ragab

Ass. Prof. Dr. Soad selim

Ass. Prof. Dr. Heba El Sayed

Dr. Rania Adel

6. Course coordinator: Prof. Dr. Gamal Hassan Ragab

7. External evaluator:

Because of Corona pandemic, Prof. Dr. Hisham Ezzat evaluated this course as internal evaluator.

B- Statistical Information:

No. of students attending the course:

No.

102

%

100

No. of students completing the course:

No.

102

%

100

Results:

Passed:

102

No.

100 %

Failed:

0

%

0 %

No.

Grading of successful students:

Excellent:

No.

%

Very

%

Good:No.

2- Teaching and learning methods:

Lectures:	<input type="text" value="√"/>
Practical training/laboratory:	<input type="text" value="-"/>
Seminar/Workshop:	<input type="text" value="-"/>
Class activity: role play	<input type="text" value="-"/>
Case Study:	<input type="text" value="-"/>

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 decision 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. Practical exam was delivered as written sheet for safety purpose.

List of projects:

Teaching staff	List of projects
<p style="text-align: center;">Prof. Dr. Gamal Hassan Ragab</p>	<ol style="list-style-type: none">1. Oxidation reduction theory, oxidation number, determination of iron by redox titration.2. Electrode potential, electrochemical cells, determination of oxalate by redox titration.3. Reduction potential, Nernst equation for reduction potential, determination of peroxides by redox titration.4. Factors affecting reduction potential, determination of sulphur compounds by redox titration.5. Redox titration curves, determination of arsenic and antimony by redox titration.6. Detection of end point in redox titration, determination of free halogens by redox titration.7. Redox reactions involving iodine, determination of phenol and chromium salts by redox titration.8. Reference electrodes in potentiometry.9. Indicator electrodes in potentiometry.10. Application of potentiometric titration.11. Conductance, factors affecting conductance, equivalent conductance, conductometric instrumentation.12. Conductometric titration in different neutralization reactions.13. Polarographic cell, polarization, modes of mass transport of electroactive species.14. Polarogram, different current types in polarography, ilkovic equation.15. Qualitative and quantitative analysis in

	<p>polarography, advantages and disadvantages of dropping mercury electrode.</p> <p>16.Polarographic maxima, effect of dissolved oxygen in polarographic measurement, differences between voltammetry and potentiometry, application of polarography.</p> <p>17.Specificity, Accuracy, precision, linearity and linearity range.</p> <p>18.Detection limit, quantitation limit, ruggedness and robustness.</p>
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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:

- 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: Poor use of modern strategies in teaching such as videos. Poor student satisfaction about the electronic education.	- More use of modern strategies in teaching such as videos. - Address the faculty administration to provide more electronic facilities for electronic 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):

Because of corona pandemic , external evaluation was not available.

9- Course enhancement:

Actions Recommended for Further Improvement	Start Date	Completion Date	Person Responsible
- More use of modern strategies in teaching such as videos.	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
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Signature: Prof. Dr. Gamal Hassan Ragab

Date: / /

COURSE REPORT

PhannacognosyI

First level – Semester 2

2019-2020

Course Report of Phramacognosy I clinical

Institution: Zagazig University
Faculty : Pharmacy

A- Basic Information:

1. Program (s) on which the course is given: Bachelor of Pharmacy (Clinical Pharmacy program, Pharm D).
2. Major or Minor element of programs: Major
3. Code: PG 202
4. Department offering the course: Pharmacognosy Departement
5. Academic year Level: First level /Second semester

Units/Credit hours:

Lectures Practical Total

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

- Prof. Dr/ Fawkya Abbas
- Assist.Prof. Dr/ Gamal Dorra Prof.
- **6. Course coordinator:** • Prof. Dr/ Fawkya Abbas .

External evaluator:

External evaluator: Prof. Dr / Moshira El-Sheraiey – Pharmacognosy – Cairo University

B- Statistical Information:

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

Results:

Passed: No. Failed: %

Grading of successful students:

Excellent: No. % Very Good: %
Good : No. % Pass: %
No.

C- Professional Information:

1 - Course teaching:

Topics actually taught	No. of hours	Lecturer
General introduction for what will be taught all over the term Introduction for the flowers and giving the students the possible references, web sites, text books.	2	Prof. Dr/ Fawkya Abbas
Rest of introduction of flower. Description of clove flower Including macro- and micro-morphological study for entire drug and for powdered clove.	2	
Chamomile (German and Roman) and calendula flowers macro-and, micro-morphology of the entire and powdered drugs, chemical identification.	2	
Rest of flower drugs-, uses, active constituents, pharmaceutical preparations.	2	
General introduction of bark	2	Assist.Prof. Dr/ Gamal Dorra Prof.
Rest of the introduction and cinnamon bark. macro-and; micro- morphology -, powder and chemical identification.	2	
Cinchona in details: macro-and; micro-morphology, powder and chemical identification.	2	
Cascarilla, quillaia, and canella bark (Morphology, histology, powder and chemical test when it is possible.	2	
Cascara and frangula in details: macro-morphology; micro-morphology powder and chemical identification.	2	
Rest of the taught barks	2	
Introduction to wood Galls: Macro-morphology of entire wood; micro-morphology-, Powder; chemical identification.	2	Prof. Dr/ Fawkya Abbas
Herbs introduction	2	
Official and nonofficial herbs	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:	<input type="checkbox"/>
Practical training/ laboratory:	<input type="checkbox"/>
Seminar/Workshop:	<input type="checkbox"/>
Class activity: role play	<input type="checkbox"/>
Case Study:	<input type="checkbox"/>

Other assignments/homework:

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

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 decision 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 to the scale of pass or fail and so no marks or grades were recorded.

List of projects:

Teaching staff	List of projects
Prof. Dr/ Ehsan Abu Zaid	Antispasmodic and carminative
Prof. Dr/ Samia Salah Hafez	Cough sedative and expectorant
Prof. Dr/ Afaf Abd El-Ghani	Laxative
Dr/ Sahar Abdelaziz	Hypoglycemic and antidiabetic
Dr/ Eman Fikry	Anthelmentic

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
Students were satisfied about the course but they were not satisfied from assessment through projects preparation in some point:	-
no criticism from some staff members	-
- Lack of preparation of list of references for each project	preparation of projects as a tool for assessment
- Lack of 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 external evaluator(s):

- The course was well designed. Course content is considered important in the field of treatment with herbal medicine & sufficient for covering this field.

9- Course enhancement:

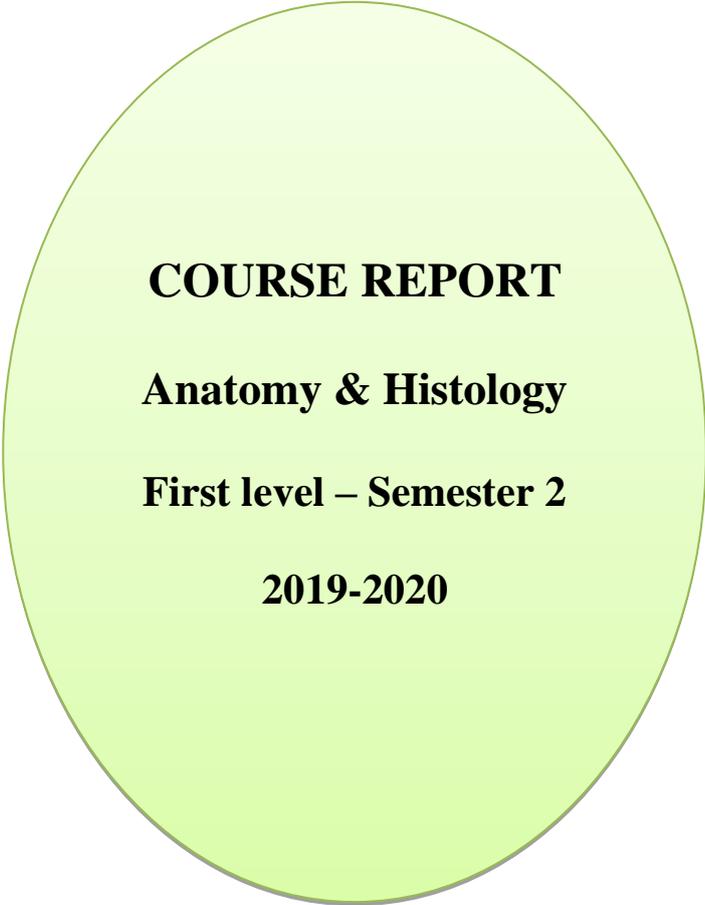
1. Progress on actions proposed for improving the course in previous course reports (if any).			
Actions recommended from the most recent course report(s)	Actions Taken	Action Results	Action Analysis
No previous report was written as it is the first time to deliver the course			

Actions Recommended for Further Improvement	Start Date	Completion Date	Person Responsible
Revision of the course references	9/2020	9/2020	Course instructors
Apply electronic practical exam	2020-2021	2020-2021	Course instructors
Apply blended learning strategy	9/2020	6/ 2021	Course instructors
Development of search skills through course assignments	9/2020	6/ 2021	Course instructors
Arrangements for platform creation	2021	2022	Faculty administration

Course coordinator: Prof. Dr/ Fawkya Abbas

Signature:

Date: / /



COURSE REPORT

Anatomy & Histology

First level – Semester 2

2019-2020

Course Report of Anatomy

Institution: Zagazig University
Faculty : Pharmacy

A- Basic Information:

1. Program (s) on which the course is given: Bachelor of pharmacy- Pharm D
2. Major or Minor element of programs: Major
3. Code: MD 202
4. Department offering the course: Faculty of Medicine, Human Anatomy and embryology department
5. Academic year Level: First level / semester 2

Units/Credit hours:

Lectures Practical Total

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

Prof. Dr. Mohie ElSayed haliel

Prof. Dr. Ibrahim ElAzzony

Prof. Dr. Maha Mohamed Abdel Rahmen

Prof. Dr. Sama Salah

6. Course coordinator: Prof. Dr. Mohie ElSayed haliel

7. External evaluator:

B- Statistical Information:

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

Passed: No. Failed: %

Grading of successful students:

Excellent: No. % Very Good: %

Good : No. % Pass: %

C- Professional Information:

1 - Course teaching:

Topics actually taught	No. of hours	Lecturer
- Introduction (anatomical terms- anatomical positions- anatomical movements)		Prof. Dr. Ibrahim ElAzzony
- Joints and muscular system		
- Cardiovascular system		
- Respiratory system		Prof. Dr. Maha Mohamed Abdel Rahmen
- Lymphatic system		
- Digestive system		
- Urinary system		
- Male genital system		
- Female genital system		
- Endocrine glands		Prof. Dr. Sama Salah
- Nervous system		
- Special senses and skin		
- Skeletal system and vertebral column		

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: 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 decision 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 to the scale of pass or fail and so no marks or grades were recorded.

List of projects:

Teaching staff	List of projects
Prof. Dr. Eman Abdel Ghany	1-Functional anatomy of female reproductive system 2-The gross anatomy of skeletal system
Prof. Dr. Nasr Elsayy	1- The gross anatomy of nervous system 2- The anatomy of urinary system
Prof. Dr. Ibrahim Elazzony	1-Functional anatomy of male reproductive system 2-The gross anatomy of muscular system
Prof. Dr. Mohamed Shehata	1- The gross anatomy of heart 2- The gross anatomy of the respiratory system

Prof. Dr. Maha Abdel Rahman	1-Functional anatomy of the digestive system 2-The gross anatomy of the joints
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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:

- 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
1-In the practical part, it needs to be on real models of bones not just picture demonstration. 2-Need for more time for practical labs	More time will be spend on illustrating the difference between different bones using bone models for both right and left sides of the body

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):

9- Course enhancement:

Actions Recommended for Further Improvement	Start Date	Completion Date	Person Responsible
- More use of bones and of the anatomical models	2020-2021	2020-2021	Course instructors
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. **Mohie ElSayed haliel**

Date: / /

Course Report

Histology
First level – Semester 2
2019-2020

Course Report of Histology

Institution: Zagazig University

Faculty : Pharmacy

A- Basic Information:

1. Program (s) on which the course is given: Bachelor of pharmacy- Pharm D
2. Major or Minor element of programs: Major
3. Code: MD 202
4. Department offering the course: Faculty of Medicine, Medical histology & cell biology department
5. Academic year Level: First level / semester 2

Units/Credit hours:

Lectures Practical Total

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

Prof. Khaled Elsayed El Mesalamy

Prof. Dr. Eman Abdel Razik

Prof. Dr. Gamal Abdalla Attia

Prof. Faiza Elsayed Ahmed

6. Course coordinator: Prof. Khaled El Mesalamy

7. External evaluator:

B- Statistical Information:

No. of students attending the course:

No. %

No. of students completing the course:

No. %

Results:

Passed: No.

Failed: %
No.

Grading of successful students:

Excellent: No. %

Very Good: %
No.

Good : No. % Pass: %

No.

C- Professional Information:

1 - Course teaching:

Topics actually taught	No. of hours	Lecturer
Microtechniques and microscopy		Prof. Khaled Elsayed El Mesalamy
Introduction to cytology		
Cytology		
Epithelium		Prof. Dr. Eman Abdel Razik
Connective tissue		
Blood		
Bone		Prof. Dr. Gamal Abdalla Attia
Vascular		
Cartilage		
Muscular T - assignment		Prof. Faiza Elsayed Ahmed
Nervous T - assignment		
Lymph		
Skin		

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: 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 decision 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 to the scale of pass or fail and so no marks or grades were recorded.

List of projects:

Teaching staff	List of projects
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<p>Prof. Khaled Elsayed El Mesalamy Prof. Dr. Eman Abdel Razik Prof. Dr. Gamal Abdalla Attia Prof. Faiza Elsayed Ahmed</p>	<ol style="list-style-type: none"> 1. Mast cell 2. Plasma cell 3. Cartilage 4. Bone 5. Nerve cell 6. RBCs 7. White blood cells 9. Spleen 10. Thymus 11. Lymph nodes 12. Medium size artery and vein 13. Skeletal muscle 14. Cardiac muscle 15. Keratinocytes of skin
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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:

- 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 more time for practical labs	More time will be spend on practical sessions

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):

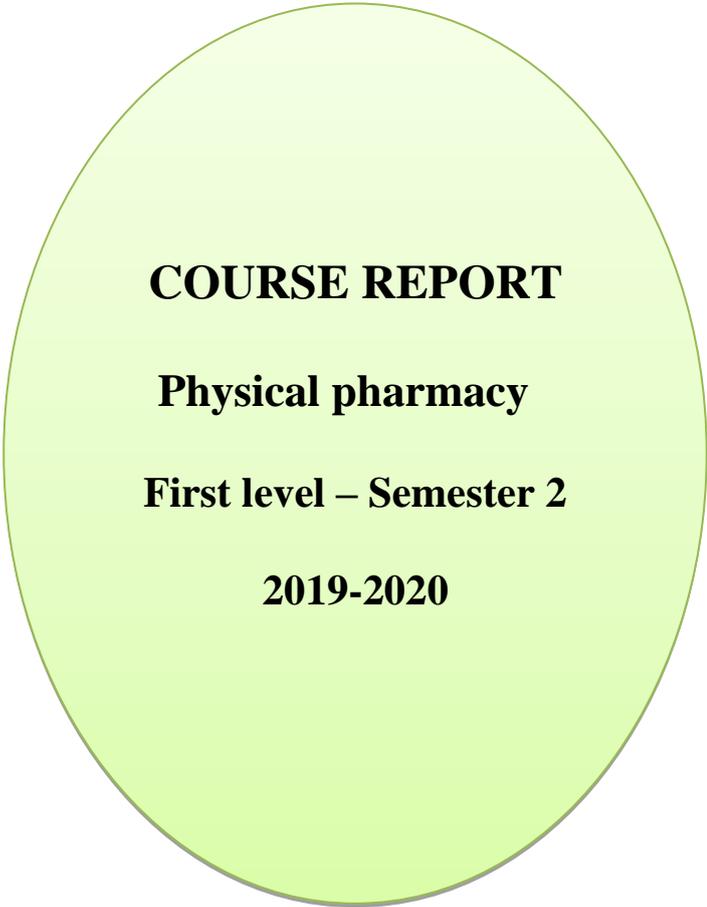
9- Course enhancement:

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. **Prof. Khaled Elsayed El Mesalamy**

Date: / /



COURSE REPORT

Physical pharmacy

First level – Semester 2

2019-2020

Second term Course Report

University: Zagazig

Faculty: Pharmacy

Department: Pharmaceutics

A – Basic Information:

1. Title and Code: Physical pharmacy (PT 202)

Program(s) on which this course is given: Bachelor of pharmacy (clinical pharmacy pharm D)

2. Year / Level of programs: first Level (Second semester)

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

Lectures	2hrs.	Practical sessions	1 hrs.	Total	3hrs.
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4. Names of lecturers contributing to the delivery of the course:

Prof. Dr/ Mhamoud Abd Elgany

Prof. Dr/Hanan El-Nahhas

Prof. Dr/ Nagia Ahmad El-Megrab

5. Course coordinator:

- Prof. Dr/ Nagia Ahmad El-Megrab

6. External evaluator:

B- Statistical Information:

No. of students attending the course	172	100%			
No. of students completing the course	170	98.8%			
Results:					
Passed	170	100%	Failed	-	0.0%
Grading of successful students:					
Excellent	-	-	Very good	-	-
Good	-	-	Pass	170	% 100
weak	-	-	Failed	-	-

C- Professional Information:

1- Course teaching:

Topic	No of hours	Lecturers
State of matter and intermolecular forces:	2	Prof. Dr/Hanan El-Nahhas
Phase equilibrium and phase rule	2	
Surface and Interfacial Phenomena	2	
Surface Active Agents (Surfactant)	2	
Adsorption Isotherms	2	
Rheology	4	Dr/ Nagia Ahmad El-Megrab
Rate of chemical reaction (reaction Kinetics) Stability testing	4	
Solution and solubility	4	
Collegative properties of solution and isotonic solution	2	
Buffer solution and buffer capacity	2	
Partition coefficient	2	
Dissolution	2	

Topics taught as a percentage of the content specified:

>90 %	√	70 – 90 %		<70%	
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Because of Corona pandemic Power point presentation were prepared

by students and send via email for **assessment** as activity

2- Teaching and learning methods:

Lectures	√
Practical Training / Laboratory	-

Seminar / Workshop	-
Class activity	-
Case study	-
Other assignment / homework	√

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

Telegram Chanel was used, during the COVID-19 pandemic, to deliver lectures and practical work demonstration

Students were asked to prepare Power point presentation and send via email for assessment as activity

3- Course learning outcome assessment:

The evaluation methods were changed according to the decision of the Supreme Council of Universities because of the COVID-19 Pandemic. The final written exam was replaced by written report in a course-related fundamental subjects. Through the telegram channel and via orientation lectures, as well as rules for report writing and review, the students were informed of each report goal. Students results were announced. All the reports were assessed according to the pass or fail scale and no marks or grades were reported as a result.

3- List of projects:

Teaching staff	List of projects
Prof.Dr./ Nagia el megrab Prof. Dr/Hanan El-Nahas Prof .Dr / Mahmoud Abd Elgany	<p>Physicochemical properties of drug molecules and excipients are essential for the design and formulation of pharmaceutical dosage form. Write a report including the fundamental concepts (definition, equations and units), factors affecting the property, application in pharmacy and measurement (When applicable) of the:</p> <p>Project 1</p> <ol style="list-style-type: none"> 1. States of matter and Phase equilibrium 2. Rheological behavior of dosage form 3. Colligative properties of solution and isotonicity <p>Project 2</p>

1. Surface and interfacial phenomena
2. Drug reaction rate and stability
3. Buffer and buffer capacity

Project 3

1. Surface active agents,
2. Rheological behavior of dosage form
3. Solubility

Project 4

1. Adsorption
2. Drug reaction rate and stability
3. Dissolution

Project 5

1. States of matter and Phase equilibrium
2. Rheological behavior of dosage form
3. Partition coefficient

Project 6

1. Surface and interfacial phenomena
2. Drug reaction rate and stability
3. Colligative properties of solution and isotonicity

Project 7

1. Surface active agents
2. Rheological behavior of dosage form
3. Buffer and buffer capacity

Project 8

1. Adsorption
2. Drug reaction rate and stability
3. Solubility

Project 9

1. States of matter and Phase equilibrium
2. Rheological behavior of dosage form
3. Dissolution

	<p>Project 10</p> <ol style="list-style-type: none"> 1. Surface and interfacial phenomena 2. Rheological behavior of dosage form 3. Solubility <p>Project 11</p> <ol style="list-style-type: none"> 1. States of matter and Phase equilibrium 2. Rheological behavior of dosage form 3. Colligative properties of solution and isotonicity <p>Project 12</p> <ol style="list-style-type: none"> 1. Surface and interfacial phenomena 2. Drug reaction rate and stability 3. Buffer and buffer capacity
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4- Facilities and Teaching Materials:

Totally adequate	
Adequate to some extent	√
Inadequate	

List any inadequacies:

List any inadequacies:

Bad internet and trouble uploading lectures by the staff and difficulty of downloading for most of the students

5- Administrative constraints:

Absence of electronic platform at the university, lack of well-equipped computer lab with strong internet connectivity and IT technician to assist teachers when it is difficult to plan and upload lectures

6- Student evaluation of the course:

List any criticism	Response of course team
<p>Students were generally pleased with the course, but in they complained about :</p> <p>No enough time to prepare the report</p> <p>Difficulty in contacting certain members of the team for follow-up from</p> <p>Difficulty in getting the references</p>	<p>-Implement report writing as an evaluation method</p> <p>-Successful scheduling of student projects in terms of time, follow-up, goals, references and evaluation criteria</p>

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

Some staff members were not pleased with online learning due to some problems that staff and students could face, such as unavailability of computers or poor internet connections.

Lack of a centralized forum or platform to coordinate the process of contact with students.

No lecture recording studio available for faculty staff to record lectures

8- Comments from external evaluator(s):

Consulting an external evaluator for the current course was challenging because of COVID-19 pandemic

8- Course Enhancement:

Action	State whether completed or not and give reasons for any non-completion
Divide the practical marks on two exams and lab evaluation to ensure maximum benefit of the students.	Not completed due to suspension of the study because of COVID-19 pandemic

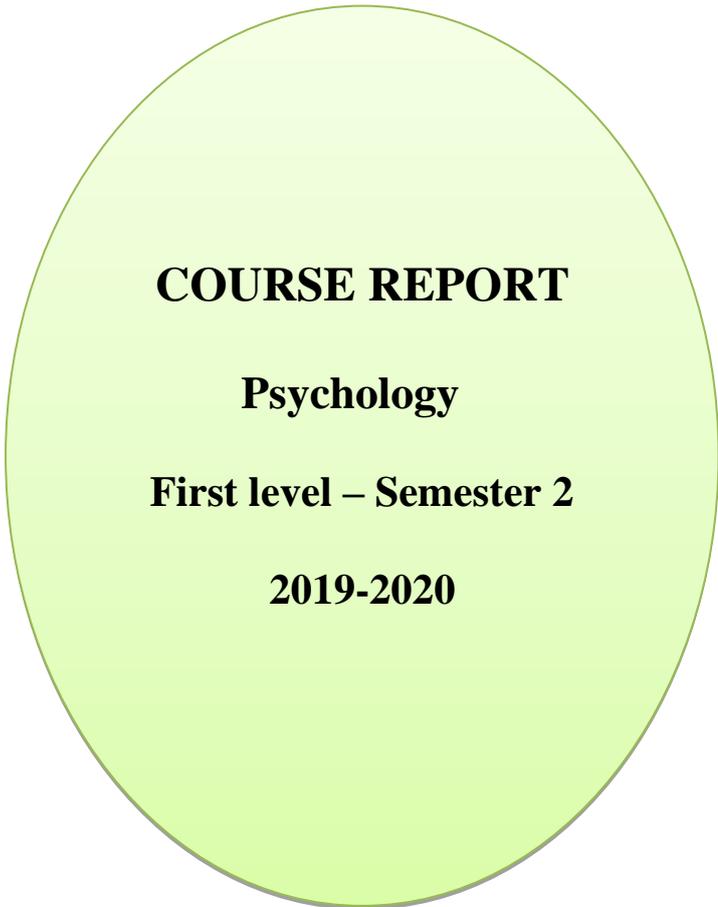
9- Action plan for academic year 2020– 2021:

Action required	Completion date	Person responsible
Divide the practical marks on two exams, lab evaluation, internet research report and presentation	2020/2021	Course team
Apply blended learning strategy	2020/2021	Course team
Establishment of electronic platform	2021/2022	Faculty administration

Course Coordinator: Prof. Dr/ Nagia Ahmed El megrab

Signature:

Date: course report is approved in department council on / /2020



COURSE REPORT

Psychology

First level – Semester 2

2019-2020

Course Report of Psychology

Institution: Zagazig University
Faculty : Pharmacy

A- Basic Information:

1. Program (s) on which the course is given: Bachelor of pharmacy- Pharm D (clinical pharmacy Pharm D)
2. Major or Minor element of programs: Major
3. Code: UR 203
4. Department offering the course: Psychology department (Faculty of Education)
5. Academic year Level: First level / semester 2

Units/Credit hours:

Lectures Practical Total

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

Prof. Adel Khedr

Prof. Elsayed Fadaly

6. Course coordinator: Prof. Adel Khedr

7. External evaluator:

B- Statistical Information:

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

Passed: No.

Failed: %
No.

Grading of successful students:

Excellent: No. %

Very Good: %

Good : No. %

Pass: %

No.

C- Professional Information:

1 - Course teaching:

Topics actually taught	No. of hours	Lecturer
مدخل إلى علم النفس		Prof. Adel Khedr
ما هو التعلم؟ التعلم الشرطي و الوقائع التجريبية و تفسيره		
القواعد الأساسية للتعلم الشرطي و تطبيقاته		
الدافعية و تعريفاتها و أهمية الدوافع و خصائصها		
أنواع الدوافع و خصائصها و أهميتها في التعلم		
الشخصية و تعريفاتها و محدداتها و مكوناتها الشخصية و نظرياتها و طرق قياسها		
الذاكرة و تعريفاتها و نماذجها و أنواعها		Prof. Elsayed Fadaly
معنى التنشئة الاجتماعية و ديناميات السلوك و أنواع العلاقات الاجتماعية		
الجماعة و خصائصها و أهميتها للفرد و المجتمع و أنواع الجماعات		
التوجيه و الاختيار المهني و الفروق الفردية		
الذكاء و حل المشكلات		
العمليات العقلية النفسية (الإحساس- الانتباه- الإدراك- التذكر- التفكير) خطواتها و خصائصها و أنواعها		
الصحة النفسية و الأمراض النفسية و العقلية		

Topics taught as a percentage of the content specified:

>90%

70-90%

<70%

Reasons in detail for not teaching any topic:

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

2- Teaching and learning methods:

Lectures:	√
Practical training/laboratory:	-
Seminar/Workshop:	-
Class activity: 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
<p>Prof. Adel Khedr Prof. Elsayed Fadaly</p>	<ol style="list-style-type: none"> 1. علم النفس هو علم دراسة السلوك ناقش تعريفات علم النفس وأهميته وأهدافه وخصائصه وفروعه موضعا دورة في علاج قضايا المجتمع ومدى الاستفادة منه في مجال عملك كصيدلي وفي التعامل مع تبعات فيروس كورونا. 2. التعلم وتعريفه والفرق بينه و بين الأداء و اهميته في تفسير السلوك الانساني مع التركيز على التعلم الشرطي و كيفية توظيفه في المجال التربوي ومجال عملك كصيدلي والتعامل مع تبعات فيروس كورونا المستجد. 3. الدافعية والانفعالات من حيث التعريف والأهميه والخصائص كقيمية توظيفها في مجال عملك كصيدلي ، والتعامل مع تبعات فيروس كورونا المستجد. 4. الشخصية الإنسانية من حيث التعريف والأهميه ومحدداتها ومكوناتها وطرق قياسها ،وكيفية توظيفها في مجال تخصصك كصيدلي ، وفي التعامل مع تبعات فيروس كورونا المستجد. 5. الذكاء والقدرات الخاصة وتوظيفهما في حل المشكلات واتخاذ القرارات، وكيفية توظيفهما في مجال عملك كصيدلي ، وفي التعامل مع تبعات فيروس كورونا المستجد. 6. العمليات العقلية النفسية وخطواتها ومراحلها والعوامل المؤثرة فيها وكيفية توظيفها في مجال تخصصك كصيدلي ، وفي التعامل مع تبعات فيروس كورونا المستجد. 7. الصحة النفسية والفرق بين الأمراض النفسية والامراض العمليه، واسباب الأمراض النفسية وطرق العلاج، وكيفية توظيفها في مجال عملك كصيدلي، وكيفية الاحتفاظ بصحة نفسية جيدة في ظل التبعات المترتبة على فيروس كورونا

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
students were satisfied about the course	

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

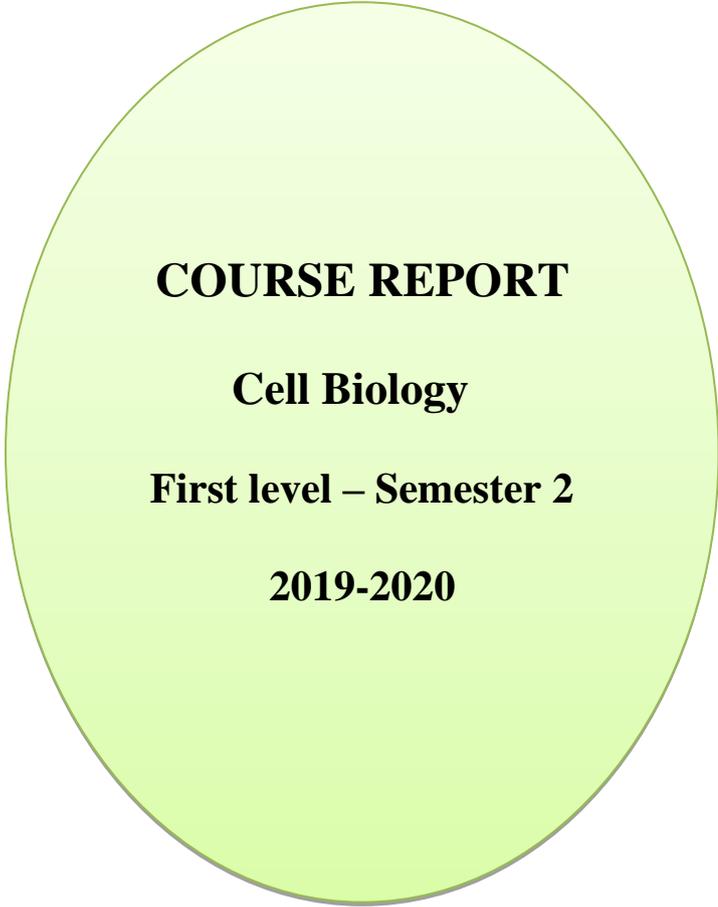
8- Comments from external evaluator(s):

9- Course enhancement:

Actions Recommended for Further Improvement	Start Date	Completion Date	Person Responsible
- 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. **Prof. Adel Khedr**

Date: / /



COURSE REPORT

Cell Biology

First level – Semester 2

2019-2020

Course Report of Cell biology

Institution: Zagazig University
Faculty : Pharmacy

A- Basic Information:

1. Program (s) on which the course is given: Bachelor of pharmacy –Clinical pharmacy, PharmD
2. Major or Minor element of programs: Major
3. Code: PB 201
4. Department offering the course: Biochemistry
5. Academic year Level: First level /second semester

Units/Credit hours:

Lectures Practical Total

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

Prof. Dr. Rawia Sarhan Amin

Prof. Dr. Marvat Askar

Dr. Rania El-Rahidy

6. Course coordinator: Prof. Dr. Rawia Sarhan Amin

7. External evaluator:

Prof. Dr. Mamdouh Elsheshtawi (Mansoura University)

B- Statistical Information:

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

Passed: No. Failed: No.

Grading of successful students:

Excellent: No. %
 Good : No. %

Very %
 Good:No.
 Pass: %
 No.

C- Professional Information:

1 - Course teaching:

Topic	No of hours	Lecturers
- Cell theory - Animal cell - Plant cell - Prokaryotic cell - Eukaryotic cell - Structure of cell membrane - Cytoplasm - Transport across membrane - Nucleus (Chromatin and chromosomes) - Endoplasmic reticulum, Golgi apparatus, Lysosomes, Chloroplasts, Mitochondria - Cytoskeleton, Micro-bodies	4	<ul style="list-style-type: none"> • Dr. Rania El-Rahidy
- Molecular genetics - DNA and RNA synthesis, Protein synthesis - Mutation points - Cell growth - Cell division (Mitotic, meosis), Cell cycle regulation	4	<ul style="list-style-type: none"> • Prof. Dr. Marvat Askar
Apoptosis-mechanism of apoptosis , Necrosis, Apoptosis and its relation to cancer, AIDs and atherosclerosis	4	<ul style="list-style-type: none"> • Prof. Dr. Rawia Sarhan Amin

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

Other assignments/homework:

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

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 decision 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 to the scale of pass or fail and so no marks or grades were recorded.

List of projects:

Teaching staff	List of projects
Prof. Dr. Marvat Askar	1-Cell cycle phases and factors that stimulate cell cycle 2- Cell cycle phases and factors that inhibit cell cycle 3- Cell division in eukaryotic cell 4- Hypertrophy 5- Hyperplasia 6- Atrophy
Prof. Dr. Rawia Sarhan Amin	1- Mutations, definition and types 2- Apoptosis, definition and importance 3- Causes of apoptosis, caspases and anti-apoptotic agents 4- Apoptosis and cancer 5- cell signaling 6- Cell aging
Dr. Rania El-Rahidy	1- Cell membrane 2-Mitochondria and mitochondrial dysfunction 3- Endoplasmic reticulum and ribosomes 4- Golgi apparatus and vesicles 5- Cytoskeleton and centriole 6- Lysosomes and microbodies 7- Nucleus

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.

6- Student evaluation of the course:

-Students have no specific comments to be replied

- Generally, they were satisfied about the course

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

8- Comments from external evaluator(s):

External evaluation was not available because of corona pandemic.

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
Using internet, computer lab and library as sources of student learning.	<ul style="list-style-type: none"> Inclusion of these sources in student activity 	Students used these sources to get more attractive information.	More enhancement of the self-learning
Addition of more photos of cell organelles	<ul style="list-style-type: none"> Inclusion of more organelles slide photos in course content Students are requested to research for more photo in internet 	Course content become easier and clearer	Sustainment of action is required

Actions Recommended for Further Improvement	Start Date	Completion Date	Person Responsible
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Measurement of ILOs of course.	2020-2021	2020-2021	Course instructors
Revision of course content and make any required updates.	2020-2021	2020-2021	Course instructors
Inclusion of Explanatory videos in course.	2020-2021	2020-2021	Course instructors
Development of search skills through course assignments	2020-2021	2020-2021	Course instructors
Arrangements for platform creation	2021	2022	Faculty administration

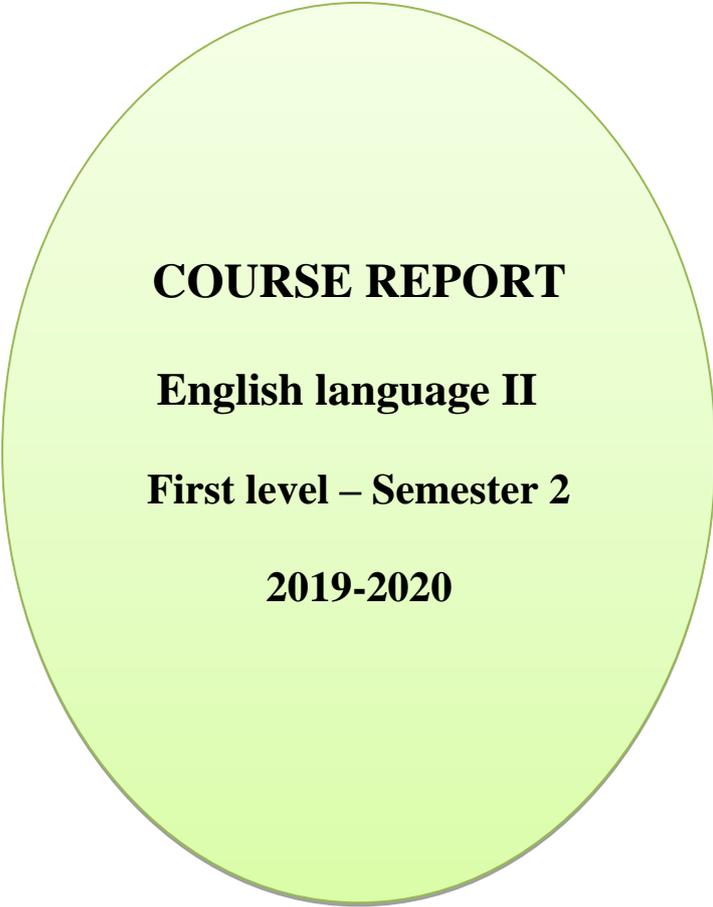
Course Coordinator: *Prof. Dr. Rawia Sarhan Amin*

Signature:

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

Signature:

Date: Course report was approved in department council on



COURSE REPORT

English language II

First level – Semester 2

2019-2020

Course Report of English Language 2

Institution: Zagazig University
Faculty : Pharmacy

A- Basic Information:

1. Program (s) on which the course is given: Bachelor of pharmacy- Clinical Pharmacy Pharm D
2. Major or Minor element of programs: Major
3. Code: UR 205
4. Department offering the course: English Department/ Faculty of Education
5. Academic year Level: First level / semester 2

Units/Credit hours:

Lectures Practical Total

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

Dr. Mohamed Hassan
Dr. Micheal Abd EL-Messih
Dr. Ahmed Abd El-Salam Edries

6. Course coordinator: Dr. Mohamed Hassan

7. External evaluator:

B- Statistical Information:

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

Results:

Passed: No. Failed: %
No.

Grading of successful students:

Excellent: No. % Very Good: %
Good : No. % Pass: %
No.

C- Professional Information:

1 - Course teaching:

Topics actually taught	No. of hours	Lecturer
Components of an Effective Paragraph: Topic Sentences & Supporting details	4	Dr. Mohamed Hassan
Components of an Effective Paragraph: Concluding Sentences		
methods & Techniques of paraphrasing		
common mistakes in scientific writing		
different writing styles	4	Dr. Micheal Abd EL-Messih
how to write a scientific report		
how to write proposals and manuscripts		
labels, abbreviations and acronyms Grammar, Spelling and Punctuation in scientific writing		
writing a practical research paper	5	Dr. Ahmed Abd El-Salam Edries
Optimizing paragraph and sentence structure in scientific writing		
Coherence in scientific writing		
Cohesion in scientific writing		
Transitions in scientific writing		

Topics taught as a percentage of the content specified:

>90% 70-90% <70%

Reasons in detail for not teaching any topic:

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

2- Teaching and learning methods:

Lectures:

Practical training/laboratory:

Seminar/Workshop:

Class activity: 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 Listening lessons 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
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<p>Dr. Mohamed Hassan Dr. Micheal Abd EL-Messih Dr. Ahmed Abd El-Salam Edries</p>	<ul style="list-style-type: none"> • In correct English, write a research / review article on ONLY ONE of the following topics related to the topics you have studied throughout the second term. • In correct English, explain the definition of the key medical terms and abbreviations related to each topic. Use a variety of grammar structures you have studied this semester (For example: “No sooner ... than”; “Hardly / scarcely...when”; verb, tenses; passive and active voice; reported speech; the four cases of “if-clauses; the Subjunctive Mood ... etc). • Write five example sentences on each of the grammar points you have studied this semester (i.e. Verb Tenses; “No sooner ... than”; “Hardly / scarcely...when”; passive and active voice; reported speech; the four cases of “if- clauses”; The Subjunctive Mood; Inversion; “Not only ... but also”; Adverbs / Adjectives / Linking Verbs; “So...That / Such...That.... Too...to”) <ol style="list-style-type: none"> 1. Pharmacy in ancient Egypt 2. Side effects and Drug Interactions 3. Pharmacy and Drugs 4. Pharmacists and Pharmacy Technicians 5. Current Trends in Pharmacy Practice 6. Pharmacy and technology go together very well. How? 7. Hospital Pharmacies 8. Pharmacology 9. How studying Pharmaceutical Terms and Abbreviations is important for pharmacy students 10. New Trends and innovations in the field of pharmacy
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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:

- 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	

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

8- Comments from external evaluator(s):

9- Course enhancement:

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

Signature: Dr. Mohamed Hassan

Date: / /