

Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Pharmacognosy

A – Basic Information:

1- Title and Code: Biosynthesis of natural products **GSP5**

2- Program(s) on which this course is given: PhD

3- Year / Level of programs: PhD

4- Credit hours: -----

Lectures	4hrs/week
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5-Names of lecturers contributing to the delivery of the course:

- Prof.Dr. / Samih Eldahmy
- Prof.Dr. / Wafaa Hasan Badr

6- Course coordinator:

- Prof.Dr. / Samih Eldahmy

7- External evaluator:

- Prof.Dr. / Mona Zaghlool (Faculty of Pharmacy – Mansoura University)

- **B- Statistical Information:**

No. of students attending the course:	2	100%
No. of students completing the course:	2	100%

Results:

Passed	2	100%	Failed	0	0%
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Grading of successful students:

A+	-	-	A	-	-
B+	-	-	B	-	-
C+	-	-	C	2	100%
D+	-	-	D	-	-

C- Professional Information:**1- Course Teaching:**

Topic	No of hours	Lecturers
Plant Cell, Plant Physiology, Types of Enzymes and Mechanism of Enzymes, Photosynthesis, 1ry and 2nd metabolites, Isotopes, Acetate Pathway: Polyketides, Acetate-Acetate , Acetate Pathway: Acetate-malonate, Irregular acetates, Acetate Pathway: Oxidative phenol coupling, Applications, Shikimate Pathway: Simple Phenols, Coumarins, Shikimate Pathway : Flavonoids, Shikimate Pathway : Other aromatics, Mixed Origin Compounds	60	Ass.Prof.Dr. / Wafaa Hasan Badr Dr.May Al-Sayed

, Alkaloids Pathway : General aspects, Oxidative phenol coupling in alkaloid biosynthesis, Alkaloids Pathway : Mevalonate origin, Alkaloids Pathway : Terpenoid alkaloid		
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Topics taught as a percentage of the content specified:

>90 %	√	70 – 90 %		<70%	
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- Reasons in detail for not teaching any topics: -----
- If any topics were taught are not specified , give reasons in detail: -----

2- Teaching and learning Methods:

Lectures:	√
Seminar / Workshop:	√
Case study:	-
Other assignment / homework:	√

3- Student assessment:

Method of Assessment	Percentage of total %
Written examination	75
Oral examination	15
Activity	10

Members of examination committee:

- Prof.Dr. / Samih Eldahmy
- Prof.Dr. / Wafaa Hasan Badr

4- Facilities and Teaching Materials:

Totally adequate	√
Adequate to some extent	
Inadequate	

5- Administrative Constraints: no constrain

6- Comments from external evaluator(s):

Comments from external evaluator	Response of course team
Well structured course content	-----

7- Course Enhancement:

Action required	State whether or not complete and give reasons for any non-completion
Evaluation methods should include marks for assignment, practical, seminars and other activities.	Complete

8- Action plan for academic year 2020– 2021:

Action required	Completion date	Person responsible
Adding new Advanced topics to the course	2020– 2021	Course coordinator
Training of examination committee for development of written exam structure to	2020– 2021	Examination committee member

cover ILOS		Training Unit
Continuous development of course content to cope with program ILOS and labour market needs.	2020– 2021	Course coordinator & head of department

Course Coordinator:

- Prof.Dr. / Samih Eldahmy

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

Signature:

Date: