

Annual Course Report

University: Zagazig

Faculty: Pharmacy

Department: Pharmacognosy

A – Basic Information:

1- Title and Code: Advanced Natural product Biotechnology **GSP6**

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:

- Ass. Prof.Dr. / Maged M.M. Abou-Hashem
- Dr. Rasha Adel Abdulmonem

6- Course coordinator:

- Ass.Prof.Dr. / Maged M.M. Abou-Hashem

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	1	50%
C+	1	50%	C	-	-
D+	-	-	D	-	-

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

Topic	No of hours	Lecturers
Introduction to plant gene expression, Regulation of gene expression and protein targeting, Heterologous expression metabolomics and proteomics, Introduction to bioinformatics and Gene banks, Applications on the use of gene banks Techniques for plant transformation A) Agrobacterium- based techniques Applications on plant gene	60	<ul style="list-style-type: none"> • Ass. Prof.Dr. / Maged M.M. Abou-Hashem • Dr. Rasha Adel Abdulmonem

expression		
Herbicide tolerance and pest resistance Plant vectors and new vector-related technologies		
Plant vectors and new vector-related technologies		
Techniques for plant transformation		
B) Non- Agrobacterium- based techniques,		

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:

- Ass. Prof.Dr. / Maged M.M. Abou-Hashem
- Dr. Rasha Adel Abdulmonem

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
Revision of course content	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

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

- Ass. Prof.Dr. / Maged M.M. Abou-Hashem

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

Signature:

Date: