

# Annual Course Report

**University:** Zagazig

**Faculty:** Pharmacy

**Department:** Pharmacology and Toxicology

---

## A – Basic Information:

**1- Title and Code:** Insulin Resistance and Metabolic Syndrome

**D1012**

**2- Program on which this course is given:**

(Clinical Pharmacy Diploma)

**3- Year / Level of programs:** semester 2

**Credit hours:** -----

Lectures	2hr/wk
----------	--------

**5- Names of lecturers contributing to the delivery of the course:**

- Prof.Dr/ Salah Gharieb
- Dr. / Islam Ahmed

**6- Course coordinator:**

- Prof.Dr/ Salah Gharieb

**7- External evaluator:**

- Prof.Dr/El-Sayed Kamel

## **B- Statistical Information:**

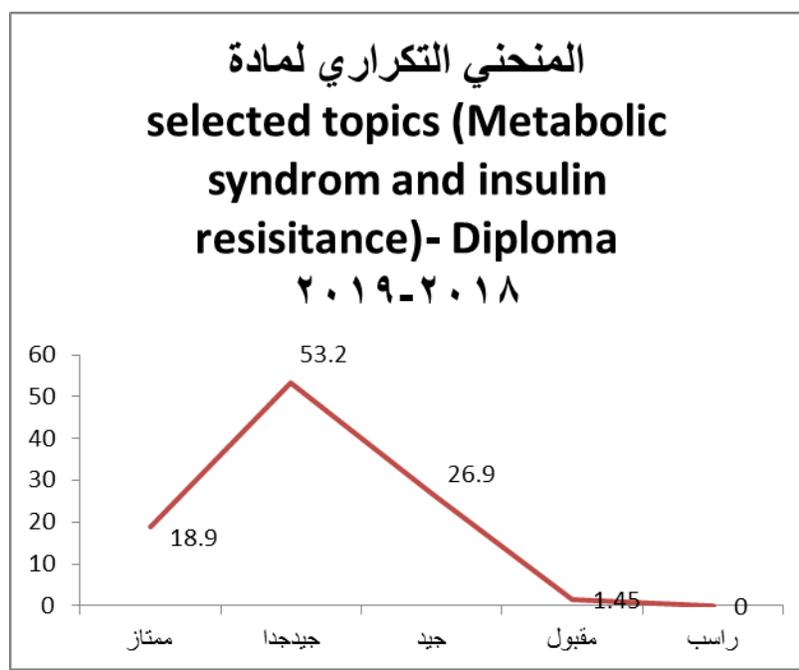
No. of students attending the course:	No. 201	100%
No. of students completing the course:	No. 201	100 %

### **Results:**

Passed	No.201	100%	Failed	-	-
--------	--------	------	--------	---	---

### **Grading of successful students:**

Excellent	No.38	18.9%	Very Good	No.107	53.2%
Good	No.53	26.9%	Pass	No.3	1.45%



## **C- Professional Information:**

### **1- Course Teaching:**

<b>Topic</b>	<b>No of hours</b>	<b>Lecturers</b>
Insulin Structure of insulin Mechanism of insulin release from the pancreas Factors affecting insulin secretion	15	Prof.Dr/ Salah Gharieb
Actions of insulin Mechanism of action of insulin		
Insulin resistance and its types Pathophysiology of Insulin Resistance Classification of pre-receptor, receptor, and post-receptor causes		
Etiology of insulin resistance Signs and symptoms of insulin resistance		
Epidemiology of insulin resistance Prognosis		
What is Prediabetes Symptoms of insulin resistance and prediabetes Who should be tested for prediabetes Risk factors for prediabetes Diagnosis of insulin resistance and prediabetes		
Steps to reverse insulin resistance and prediabetes Hyperinsulinemia, types, signs and symptoms Complications of hyperinsulinemia Pathological conditions associated with hyperinsulinemia		
Reducing of Hyperinsulinemia Measurement of insulin and HOMA-IR The Kraft test		
Diabetes People at High Risk for Diabetes American Board Guidelines Regarding Diabetes Management of diabetes mellitus		
Metabolic Syndrome: Definitions, Diagnosis and co-morbid conditions Metabolic Syndrome: Pathophysiology and epidemiology Metabolic Syndrome: Factors affecting prevalence		
Atherothrombosis and metabolic syndrome Consequences of metabolic syndrome: Endothelial dysfunction Endocrine aspects of metabolic syndrome		
Non Alcoholic Fatty liver disease		

Treatments for the metabolic syndrome		
Polypharmacy in the treatment of metabolic syndrome		
Obesity		
Polycystic Ovary syndrome		
Activity		

**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:**

<b>Lectures:</b>	√
<b>Seminar / Workshop:</b>	√
<b>Case study:</b>	√
<b>Other assignment / homework:</b>	√

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

### 3- Student assessment:

Method of Assessment	Percentage of total %
Written examination	60
Oral exam	20
Activity	20

### Members of examination committee:

- Prof.Dr/ Salah Ghariieb
- Dr. / Islam Ahmed
- **4- Facilities and Teaching Materials:**

Totally adequate	√
Adequate to some extent	
Inadequate	

**5- Administrative Constraints:** None

### 6- Students Evaluation of the course:

Students evaluation of the course	Response of course team
Students are satisfied about the course but they need Practical part	This will be discussed

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

Comments from external evaluator	Response of course team
The references need some refining and update.	This was done

## 8- Course Enhancement:

Action required	State whether or not complete and give reasons for any non-completion
Redistribution of assessment marks	completed

## 9- Action plan for academic year 2019– 2020:

Action required	Completion date	Person responsible
Continuous development of course content to cope with program ILOS and labour market needs.	2019– 2020	Course coordinator & head of department

**Course Coordinator:** Prof. Dr/ Salah Gharieb

**Head of Department:** Prof. Dr. / Mona Fouad

**Signature:**

**Date:**