



## COURSE SPECIFICATION

### Medical Genetics

Faculty of Medicine- Mansoura University

#### (A) Administrative information

(1) Programme offering the course.	Postgraduate Master degree of Phoniatics/ PHON 500
(2) Department offering the programme.	Otorhinolaryngology Department
(3) Department responsible for teaching the course.	Pediatric Department
(4) Part of the programme.	First part
(5) Date of approval by the Department`s council	15/5/2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title.	Medical genetics
(8) Course code.	PHON 509
(9) Total teaching hours.	8hours/8weeks

## **(B) Professional information**

### **(1) Course Aims.**

The broad aims of the course are as follows.

The course discusses the principles of genetics and their influences on communication and swallowing disorders and related syndromes.

### **(2) Intended Learning Outcomes (ILOs).**

On successful completion of the course, the candidate will be able to:

#### **A- Knowledge and Understanding**

**A3.** Know the genetic principles and the influence of the environment in the development of language, speech, hearing, and swallowing abilities.

**A12.** Acquire the basic knowledge for evaluating of children with outpatient health problems, disabilities and milestones delay.

#### **B- Intellectual skills :**

**B13.** Assess the developmental milestones of children and classify their different types of disabilities.

**B14.** Recognizes high risk children for disabilities and determine the degree of handicap.

### **(3) Course content.**

<b>Subjects</b>	<b>Lectures</b>	<b>Clin/ Lab</b>	<b>Field</b>	<b>Total Teaching Hours</b>
1- Chromosomal basis of heredity.	1h X 1 lecture			1 hour
2- Chromosomal abnormalities.		-----	-----	
3- Genetic basis of heredity.	1h X 1 lecture	-----	-----	1 hour
4- Modes of inheritance.				
5- Genetics of development.	1h X 1 lecture	-----	-----	1 hour
6- Population genetic.		-----	-----	
7- Syndromes with speech, language, hearing and	1h X2 lectures			2 hours

cognitive impairment.				
8- Diagnostic process of genetic disorders.	1h X 1 lecture			1 hour
9- Prevention of genetic disorders.	1h X 1 lecture			1 hour
10- Treatment of genetic disorders.	1h X 1 lecture			1 hour

**(4) Teaching methods:**

4.1. Lectures

4.2. Power point presentation

**(5) Assessment methods:**

5.1. Written/oral exam for assessment of A3, 8,12, B13, 14(after 6 months from the date of registration to the degree).

5.2 MCQ continuous assessment at the end of the semester.

**(6) Percentage of each assessment to the total mark:**

6.1. Written exam. 60 marks (including 12marks MCQ).

6.2 Oral exam. 80 marks.

**(7) References of the course:**

6.1. Shprintzen, R ( 1997): Genetics, syndromes and communication disorders. Singular Publisher Group, Inc.

**(8) Facilities and resources mandatory for course completion:**

Lecture halls and data show.

Course coordinator: Prof. Dr. Tamer Samir Abou-Elsaad