



COURSE SPECIFICATION

(Hemoglobinopathies)

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course.	Postgraduate Master degree of clinical hematology/HEMA 500
(2) Department offering the programme.	Internal Medicine Department
(3) Department responsible for teaching the course.	Hematology Unit
(4) Part of the programme.	Second part
(5) Date of approval by the Department's council	10/04/2012
(6) Date of last approval of programme specification by Faculty council	25/04/2016
(7) Course title.	Hemoglobinopathies
(8) Course code.	HEM510HG
(9) Total teaching hours.	30 hours
(10) Credit hours	2h

(B) Professional information

(1) Course Aims.

The broad aims of the course are as follows.

- 1- To educate the candidate basic of hemoglobinopathies
- 2- To identify genetic and molecular basics of hematological diseases.

(2) Intended Learning Outcomes (ILOs).

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical and transferable skills.

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

A- Knowledge and Understanding

- A1: To identify classifications of hemoglobinopathies
- A2: To explain molecular and genetic basis of hemoglobinopathies
- A3: To identify mode of inheritance.
- A4: To explain different types of hemoglobinopathies including (Hb S, C, D and E).

B- Intellectual skills

- B1. To interpret the results of blood smears, and hemoglobin electrophoresis
- B2. To integrate etiology, , natural history, diagnosis and treatment of hemoglobinopathies

D- Communication & Transferable skills

- D1. To participate in a multidisciplinary case management conference or discussion.

(3) Course contents.

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
Classifications of Hemoglobinopathies	4				
Genetic mechanisms and molecular pathology	4				
Patterns of inheritance	3				
Beta chain disorders	3.5				
Alpha chain disorders	3.5				
Hb S disorders	3				
Hb C disorders	3				
Hb D disorders	3				
Hb E disorders	3				
	30				30 h

(4) Teaching methods:

- 4.1: Power point presentation.
- 4.2: Case discussion.

(5) Assessment methods:

- 5.1: Written for assessment of knowledge and intellectual ILOs
- 5.2: MCQ exam for assessment of knowledge and intellectual ILOs

Assessment schedule:

- Assessment 1 Final examination 6 months after admission
- Assessment 2: MCQ at the end of the semester

Marks of each assessment

MCQ exam : 20 marks

Written exam: 80 marks

(5) References of the course.

6.1. Hand books.

6.2. Text book.

(6) Facilities and resources mandatory for course completion.

-Lecture Halls.

-Data show.

Course coordinator: Prof. dr Sameh Shamaa

Prof. dr Mohamed Nasr

Prof. dr Emad Azmy

Head of the unit: Prof. dr Mohamed Nasr

Head of the department: Prof. dr. Salah El Gamal

Date of First Approval: 10/04/2012

Date of Last Approval: 25/04/2016