



## COURSE SPECIFICATION

### (Transfusion Medicine)

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	26\4\2016
(6) Date of last approval of programme specification by Faculty council	9\8\2016
(7) Course title.	<b>Transfusion Medicine</b>
(8) Course code.	HEM510TM
(9) Total teaching hours.	<b>30 hours</b>
(10) Credit hours	2

## **(B) Professional information**

### **(1) Course Aims:**

The broad aims of the course are as follows.

- 1- To educate the candidate the basics of donor selection
- 2- To identify different types of blood components needed in hematology
- 3- To identify indications and complications of blood transfusion

### **(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 blood components (packed RBCs, plasma, platelets, ect) as regard collection, preservation, storage, usage and side effects.

A2: To identify suitable donor as regard age and comorbidities.

A3: To recognize modified blood components usage in hematology.

A4: To identify adverse effects of blood transfusion (acute, late).

A5: To identify impact of transfusion on the patient.

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

B1: To correlate clinical indications with transfusion components.

B2: To interpret the results of blood testing.

B3 Assess donor for blood donation.

B4 To evaluate severity of blood transfusions complications

#### 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
Donor selection and donor testing	3				
Blood collection process	3				
Whole blood collection	3.5				
Blood components collection	3				
Complications of donations	3.5				
Blood components preservation and storage	4				
Blood components modifications. leukocyte reduction, washed products, irradiation	5				
The practice and indications for blood components transfusion Adverse effects of transfusion	5				
	30				30 h

#### (4) Teaching methods:

4.1: Power point presentation.

4.2: Case discussion.

**(5) Assessment methods:**

5.1: Written and MCQ for assessment of

5.2: MCQ exam for assessment of

Assessment schedule:

Assessment 1 Final examination 3 6 months after MD registration

Marks of each assessment

MCQ exam : 20 marks

Written exam: 80 marks

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

6.1: Hand books: BETHESDA Hand book of Clinical Hematology

6.2: Text book: Essential Hematology. Williams' Hematology, Wintrob's Clinical Hematology

**(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 unit: Prof Mohamed Nasr

Head of the department: Prof Dr Salah El Gamal

Date of First Approval: 10/10/2012

Date of Last Approval: 30/03/2016