



## COURSE SPECIFICATION

### Elective Course

### (Stem Cell Transplantation-HEM 610 SCT)

Faculty of Medicine- Mansoura University

#### (A) Administrative information

(1) Programme offering the course.	Postgraduate Doctorate Degree of Clinical Hematology/HEMA 600
(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.	26/04/2016
(6) Date of last approval of programme specification by Faculty council.	9/08/2016
(7) Course title.	Stem Cell Transplantation
(8) Course code.	HEM 610 SCT
(9) Total teaching hours.	30 hours
(10) Credit hours	2 credit hours

## **(B) Professional information**

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

Stem cell transplantation course aims at enhancing MD candidate's orientation regarding the evolving stem cell research from different prospective particularly the clinical application of transplantation and post-transplantation care.

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

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

**A1.** To explain the types of stem cell transplantation, complications and supportive care.

**A2.** To identify steps of immune reconstitution.

**A3.** To identify GVHD (acute and chronic), and its management.

**A4.** To explain indications of stem cell transplantation.

**A5.** To demonstrate a comprehensive working knowledge in bone marrow or peripheral stem cell harvest for transplantation, allogeneic and autologous bone marrow or peripheral blood stem cell transplantation, and in the nature and management of post-transplant complications.

#### **B- Intellectual Skills:**

**B1.** To differentiate between different types of complications of stem cell transplantation.

**B2.** To differentiate between indications of allogeneic and auto SCT

### **(3) Course Contents (2 credit hours/30 teaching hours/theoretical):**

<b>Subjects</b>	<b>Lectures</b>	<b>Clinical and/or Laboratory</b>	<b>Total Teaching Hours</b>
<b>Histocompatibility</b>	4		
<b>Early complication after HSCT:</b>	3		
<b>Infection after HSCT</b>	3.5		
<b>Graft versus host disease</b>	4		
<b>Immune reconstitution after allogeneic HSCT and GVL</b>	5		
<b>Late effects in patients treated with HSCT</b>	3.5		
<b>Indications for and current practice of allogeneic and auto HSCT</b>	3		
<b>Documentation of engraftments</b>	4		
	<b>30h</b>		<b>2 credit hours</b>

**(4) Teaching methods:**

4.1: Power point presentation.

4.2: Case discussion.

**(5) Assessment methods:**

Written and MCQ

Assessment schedule:

Final examination: at the end of completion of the program according to the bylaw

Marks of each assessment

MCQ exam: 20 marks

Written exam: 80 marks

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

6.1. Hand books: oxford hematology handbook

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

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

Lecture Halls.

Data show.

Course coordinator: Dr Mona Taalab

Head of Hematology Unit: Prof Mohamed Nasr Mabed

Head of the Internal Medicine Department: Prof. Dr. Salah Al-Gamal

Date of First Approval: 22/12/2010

Date of Last Approval: 26/04/2016