



## COURSE SPECIFICATION

### (Heart Failure)

Faculty of Medicine– Mansoura University

#### (A) Administrative information

(1) Programme offering the course.	<b>Master degree of cardiovascular medicine</b>
(2) Department offering the programme.	<b>Cardiovascular Medicine Department</b>
(3) Department responsible for teaching the course.	<b>Cardiovascular Medicine Department</b>
(4) Part of the programme.	<b>Second Part</b>
(5) Date of approval by the Department's council	<b>24-5-2016</b>
(6) Date of last approval of programme specification by Faculty council	<b>9-8-2016</b>
(7) Course title.	<b>Heart Failure</b>
(8) Course code.	<b>CARD 514 HF</b>
(9) Credit hours.	<b>1 credit hours</b>
(10) Total teaching hours.	<b>15 h</b>

## **(B) Professional information**

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

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

**1- To produce graduate able to understand basics and different types of heart failure and how to manage them**

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### **(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- Recognize pathophysiological bases of different heart failure types**

**A2- Explain different presentations of heart failure.**

**A3-Identify the role of imaging in heart failure diagnosis**

**A4- Explain the role of different anti-failure drugs in managing heart failure**

**A5- Recognize non drug therapy of heart failure**

**B- Intellectual skills**

**B1- Choose the best imaging modality for diagnosing heart failure**

**B2- Describe the different techniques in managing heart failure**

**B3- Choose the best non drug therapy for heart failure**

**(3) Course content.**

Subjects	Lectures
<b>1- Pathophysiology of Heart Failure</b>	<b>2.5</b>
<b>2- Genetic basis of heart failure</b>	<b>2.5</b>
<b>3- Diagnosis of heart failure</b>	<b>2.5</b>
<b>4- Pharmacological drug treatment of Heart Failure</b>	<b>2.5</b>
<b>5- Non drug therapy of Heart Failure</b>	<b>2.5</b>
<b>6- Future treatment of heart failure</b>	<b>2.5</b>
<b>Total teaching hours</b>	<b>15</b>

**(4) Teaching methods.**

4.1: lectures, seminars, workshops

4.2: clinical sessions and work experience

4.3: Problem solving, case studies

4.4: directed and self directed learning activities

**(5) Assessment methods.**

Assessment 1: Written exam

Assessment 2: MCQ

Percentage of each Assessment:

MCQ                      6    marks    of the total marks

Written exam.        24 marks    of the total marks

Total.                      30

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

- 6.1. Hand books: Oxford handbook of cardiovascular medicine
- 6.2: Text books
  - Braunwald Heart Disease Text Book
  - Topol Manual of Cardiology
  - Hurst Heart diseases text book
- 6.3. Journals. Periodicals of American Journal of Cardiology  
Periodicals of European Heart Journal  
Periodicals of American Heart Journal
- 6.4. Websites: Update guidelines of acute and chronic Heart Failure, CRT, ICD, valvular heart disease  
www.ESC.com, www.ACC.com,

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

Teaching rooms: Patients wards, Echocardiography room

**Course coordinator:**

Prof Dr Eman ElSafty, Professor of cardiovascular medicine

Dr. Moheb Magdy, Lecturer of cardiovascular medicine

**Head of the department:** Prof. AbdelRazek Maaty

**Date:** 8-6-2016