



## COURSE SPECIFICATION

### Perioperative cardiothoracic ICU

#### Faculty of Medicine- Mansoura University

#### (A) Administrative information

(1) Programme offering the course.	Postgraduate MD degree of Cardiothoracic Surgery/CSUR 627
(2) Department offering the programme.	Cardiothoracic Surgery Dept.
(3) Department responsible for teaching the course.	Cardiothoracic Surgery Dept.
(4) Part of the programme.	Second Part
(5) Date of approval by the Department's council	28/3 /2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title.	Perioperative cardiothoracic ICU
(8) Course code.	CSUC 627 PCI
(9) Total teaching hours.	15 teaching hours

## **(B) Professional information**

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

The broad aims of the course are as follows.

- 1- To improve the powers of decision making & problem solving in fields of cardiothoracic surgery.
- 2- To create safe competent cardiothoracic surgeons.

**Within the overall aim, the Objectives of the program are as follows :**

- 1- Construct a management plan for patients undergoing thoracic surgery.
- 2- Construct a management plan for patients with aortovascular diseases.
- 3- Construct a management plan for patients undergoing cardiac surgeries whether adult or pediatric cardiac surgery.

### **(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:

#### **Knowledge and Understanding.**

- A1 Classify and describe the pathological disorders of the heart and thoracic structures with its surgical importance.
- A2 Interpret symptomatology of cardiothoracic disorders to their anatomical and pathological principles
- A3 List techniques and complications of cardiopulmonary bypass, myocardial protection and mechanical support.

#### **Professional/practical skills.**

- C1 Evaluate and construct a management plan for patients undergoing thoracic Surgery

C2 Evaluate and construct a management plan for patients with aortovascular disease.  
 C3 Evaluate and construct a management plan for patients undergoing cardiac surgeries whether adult or pediatric cardiac surgeries.

**(3) Course content:**

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
Admission to the ICU and monitoring technique	2				2
Early postoperative care	2				2
Mediastinal bleeding	2				2
Respiratory management	2				2
Cardiovascular management	3				3
Fluid management, renal, metabolic and endocrinal problems	2				2
Post ICU care and other complications	2				2

**(4) Teaching methods:**

- 4.1 Lectures.
- 4.2. Seminars.
- 4.3. Clinical Rounds.
- 4.4. Operative training.
- 4.5. Grand round Discussion.
- 4.6. Journal clubs.

**(5) Assessment methods:**

- 5.1. Written exams for assessment of knowledge
- 5.2. MCQ for assessment of practical skills

**Assessment schedule.**

**Assessment 1.**Assessment of the log book every month

**Assessment 2 .** MCQ exam at the end of the 4<sup>th</sup> semester

**Assessment 3.**Final exam at 36<sup>th</sup> month of admission to MD degree.

**Percentage of each Assessment to the total mark.**

**Written exam.** 24 marks

**MCQ** 6 marks

**(6) References of the course. Text books**

- Cardiac surgery (Kirklin/Barratt-Boyes)
- Sabiston & Spencer – Surgery of the Chest

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

- Lecture halls
- Data show equipment
- Postoperative ICU
- Inpatient wards

**Course coordinator:**

**Dr. Rami Ahmed Sabri**

**Head of the department.**

**Prof. Nour Eldin Noaman Gwely**

**Date:** / /