



COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Program offering the course.	General surgery MS
(2) Department offering the program.	General surgery
(3) Department responsible for teaching the course.	General surgery
(4) Part of the program.	First Part Master degree General Surgery
(5) External evaluator(s)	Prof. Dr. Alaa Khalil Zagazig Faculty of Medicine
(6) Date of approval by the Department's council	27/5/2013
(7) Date of last approval of program specification by Faculty council	9/8/2016
(8) Course title.	Cardiothoracic surgery
(9) Course code.	SUR 520 CTS
(10) Total teaching hours.	15

(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 prepare the candidates to acquire the required knowledge and skills of cardiothoracic surgery.

2- Within the overall aim, the objectives of the Program are as follows:

1. Teaching the basics of cardiac and chest surgery.
2. Teach the candidate the indications for heart and lung transplantation.
3. Educate the candidate about the principles of open heart and minimally invasive thoracic 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:

A- Knowledge and Understanding

- A1. To teach the basics of cardiac and thoracic surgery.
- A2. Educate about the essential indications for cardiac and lung transplantation.
- A3. Teach the various diseases of the heart and lungs and how to manage them.
- A4. Explain the investigatory tools for cardiac and thoracic problems.
- A5. Define the concepts of minimally invasive thoracic surgery and their indications.

2- Intellectual activities (I)

The Postgraduate Degree provides opportunities for candidates to achieve and demonstrate the following intellectual qualities:

B- Intellectual skills

- B1. Recognize the indications for chest tube insertion.
- B2. Recognize how to integrate data of examination and investigations to reach proper diagnosis.
- B3. Realize the possible options in management of each cardiac or thoracic condition.
- B4. Recognize the basic aspects of drugs used in optimizing cardiac patients.
- B5. Know the standard perioperative care for cardiac patients in ICU and the regular ward.

(3) Course content:

Subjects					
1. Cardiac surgery: <ul style="list-style-type: none"> - Valve surgery. - Essentials of open heart surgery. (CABPG) - Cardiac transplantation. - Treatment of cardiomyopathy. - Heart injuries. - Endovascular surgery. 2. Thoracic surgery: <ul style="list-style-type: none"> - Lung transplantation . - Intercostal tube. - Lung injuries. - Hemothorax and pneumothorax. - Pneumonectomy and lobectomy - Empyema and hydrothorax. 	15				15

(4) Teaching methods:

4.1. Lectures

(5) Assessment methods.

5.1. written exam for assessment of knowledge and intellectual activities.

5.2. M.C.Q exam for assessment of understanding and intellectual activities.

Assessment schedule.

Final exam at the end of the first semester.

MCQ exam at the end of the first semester.

Percentage of each assessment to the total mark.

Written exam: 80 marks

M.C.Q: 20 marks.

Other assessment without marks: logbook

(6) References of the course.

6.1. Hand books: Departmental book

6.2. Text books: John Hopkins Textbook of cardiothoracic surgery

6.3. Journal.

6.1. Websites.

6.1. Others

(7) Facilities and resources mandatory for course completion.

Lecture halls

(8) Evaluation of Program's intended learning outcomes (ILOs).

Evaluator	Tools*	Signature
Internal evaluator (s) Prof.Dr. Mohamed Farid Prof.Dr.Mohamed Abdelwahab Prof.Dr. Moh. Diaa El-Zawahry	Focus group discussion Meetings	
External Evaluator (s) Prof.Dr. Alaa khalil	Reviewing according to external evaluator checklist report.	

Senior student (s)	none	
Alumni	none	
Stakeholder (s)	none	
Others	none	

* TOOLS= QUESTIONNAIRE, INTERVIEW, WORKSHOP, COMMUNICATION, E_MAIL

We certify that all information required to deliver this program is contained in the above specification and will be implemented. All course specification for this program are in place.	
Program coordinator: Dr. Sameh Hany Emile Lecturer of General Surgery. Mansoura University	Signature & date:
Head of the department: Prof. Dr. Nazem Shams Professor of General and surgical oncology. Mansoura University	Signature & date:
Dean: Prof.Dr. El-Said Abdelhady	Signature & date:
Executive director of the quality assurance unit: Prof.Dr. Seham Gad El-Hak	Signature & date: