



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.	Neurosurgery
(9) Course code.	SUR 520 NRS
(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 neurosurgery.

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

1. Teaching the basics of neurosurgery either elective and in urgent cases.
2. Teach the candidate the indications for CT imaging and other diagnostic tools.
3. Educate the candidate about the principles of open and minimally invasive spine and cranial 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 neurosurgery in cold and urgent cases.
- A2. Educate about the essential features of brain and spinal diseases including tumors.
- A3. Teach the various management options for neurosurgical conditions.
- A4. Explain the investigatory tools for neurosurgical conditions.
- A5. Define the concepts of minimally invasive brain and spine surgery and their indications.
- A6. Explain the steps of management of brain injuries and hemorrhage.

2- Intellectual activities (I)

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

B- Intellectual skills

- B1. Interpret symptoms and signs of brain and spinal affection.
- B2. Interpret the data of investigations to reach a proper diagnosis.
- B3. Realize the possible options in management of each neurosurgical condition.
- B4. Recognize the basic aspects of drugs used in optimizing patients with brain lesions.
- B5. Know the standard perioperative care for patients in ICU and the regular ward.
- B6. Recognize how to deal with various complications of neurosurgical operations.

(3) Course content.

Subjects					
1- Brain tumors 2- Spinal cord tumors 3- Fracture skull base and skull fracture types 4- Spinal cord injuries 5- Hydrocephalus 6- Brain injuries (types of hemorrhage)	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: Student's Textbook of neurosurgery

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: