



## COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

### (A) Administrative information

(1) Programme offering the course.	<b>Experimental surgery</b>
(2) Department offering the programme.	<b>General surgery</b>
(3) Department responsible for teaching the course.	<b>General surgery</b>
(4) Part of the programme.	<b>Second part MD Surgical Oncology</b>
(5) External evaluator(s)	<b>Prof. Dr. Gamal Emiera, National cancer institute, Cairo university</b>
(6) Date of approval by the Department's council	<b>8 / 8 / 2016</b>
(7) Date of last approval of programme specification by Faculty council	<b>9/8/2016</b>
(8) Course title	<b>Experimental surgery</b>
(9) Course code	<b>SONC 620 ES</b>
(10) Credit hours	<b>1 hour theoretical</b>
(11) Total teaching hours	<b>15 hour theoretical</b>

## **(B) Professional information**

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

The broad aims of the course are as follows.

1- To prepare our candidates to acquire knowledge, competencies, skills and applications in different branches of Experimental surgery.

2- To give our candidate the ability to integrate the Experimental surgery data properly in service of Surgery.

**Within the overall aim, the objectives of the Programme are as follows.**

1. Teaching the basic medical science related to oncology as experimental surgery.
2. Teaching the main topics of Experimental surgery with their implications on modifying treatments of different surgical diseases.

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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**

A81-Discuss ethical and environmental aspects regarding care of laboratory animals.

A82-Explain how to choose animal species for different experimental surgeries.

A83-List methods of obtaining body fluids from animals.

A84-Discuss considerations during experimental surgeries.

A85-Describe how to restrain animals after surgery.

A86-Discuss methods of tumor transplantation in animals.

A87-Discuss methods of cancer antibody production.

#### **B- Intellectual skills**

B22-Employ knowledge in performing adequate experimental surgery.

(2) Course content:

Title	Teaching hours
▪ <b>Care of laboratory animals</b>	<b>2 hours</b>
▪ <b>Choice of animal species for experimental surgery</b>	<b>2 hours</b>
▪ <b>Methods of obtaining body fluids from animal</b>	<b>2 hours</b>
▪ <b>Considerations during surgery</b>	<b>3 hours</b>
▪ <b>Postoperative restraint of the animal</b>	<b>2 hours</b>
▪ <b>Tumor transplantation in animals</b>	<b>2 hours</b>
▪ <b>Cancer antibody production</b>	<b>2 hours</b>

**(3) Teaching methods:**

Lectures

**(4) Assessment methods:**

Written and MCQ exam for assessment of knowledge and intellectual skills

Percentage of each assessment to the total mark.

Written exam: 40 marks represent 80% of the total marks

MCQ exam: 10 marks represent 20% of the total marks

Other assessment without marks: logbook

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

5.1: **Hand books:** Department experimental surgery lecture notes.

5.2: **Text books:** Textbook of experimental surgery.

5.3: **Journals.**

5.4: **Websites.**

5.5: **Others.**

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

Lecture halls

**(7) Evaluation of Programme's intended learning outcomes (ILOs):**

Evaluator	Tools*	Signature
Internal evaluator (s) Prof. Dr. Nazem Shams Prof. Dr. Adel Denewer Prof. Dr. Sherif Zaki Kotb Prof. Dr. Ahmed Seteet Prof. Dr. Mohamed Hegazy	Focus group discussion Meetings	
External Evaluator (s) Prof. Dr. Gamal Emiera, National cancer institute, Cairo university	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 programme is contained in the above specification and will be implemented. All course specification for this programme is in place.	
<b>Head of the department:</b> <b>Prof. Dr. Nazem Shams</b> Professor of Surgical Oncology, Mansoura University	Signature & date:
<b>Dean:</b> <b>Prof. Dr. Elsaid Mohamed Abdelhady</b>	Signature & date:
<b>Executive director of the quality assurance unit:</b> <b>Prof. Dr. Seham Gad El-Hak</b>	Signature & date: