



## COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

### (A) Administrative information

(1) Programme offering the course.	<b>Nutritional Science of Oncology</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>First part MD Surgical Oncology</b>
(5) External evaluator(s)	<b>Prof. Dr. Gamal Emera, 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>Nutritional Science of Oncology</b>
(9) Course code.	<b>SONC 620 NP</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 Nutritional science of Oncology.
- 2- To give our candidate the ability to integrate the nutritional data properly in service of Oncology.

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

1. Teaching the basic medical science related to oncology as nutritional science.
2. Teaching the main topics of Nutritional science related to oncology with different environmental factors that play a role in many related 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**

- A37-Identify different nutritional sources that carry risk of inducing cancer (artificial sweeteners, chemical in meat and fluoridated water) and the evidence base underlying this risk.
- A38-List vegetables with cancer preventive effect and enumerate their role in different cancers
- A39-Discuss antioxidants and the theories of their cancer preventive effects.
- A40-Recognize vitamin D as cancer preventive agent and discuss its role in different cancers.
- A41-Discuss role of different tea types in cancer prevention.
- A42-Identify alcohol as a major cancer risk and discuss its effects & identify implication of different alcohol types in cancer.
- A43-Review causes of obesity and how and what cancer it is implicated in.

**B- Intellectual skills**

B8-Distinguish the role of different nutritional agents in cancer prevention.

B9-Employ knowledge in nutritional science in counseling patients in what food to use and what to avoid.

**(2) Course content:**

Title	Teaching hours
<b>Antioxidants and cancer prevention</b>	<b>1 hour</b>
<b>Artificial sweeteners and cancer risk</b>	<b>1 hour</b>
<b>Garlic and cancer prevention</b>	<b>2 hours</b>
<b>Cruciferous vegetables and cancer prevention</b>	<b>1 hour</b>
<b>Chemicals in meat cooked at high temperature and cancer risk</b>	<b>1 hour</b>
<b>Fluoridated water and cancer risk</b>	<b>1 hour</b>
<b>Tea and cancer prevention</b>	<b>2 hours</b>
<b>Vitamin D and cancer prevention</b>	<b>2 hours</b>

<b>Alcohol and cancer risk</b>	<b>2 hours</b>
<b>Obesity and cancer risk</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 Nutritional science of Oncology lecture notes.

5.2. **Text books:** Surgical oncology: contemporary principles & practice.

5.3. **Journals:** Nutrition and Cancer.

5.4. **Websites:** [www.cancer.gov](http://www.cancer.gov)

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) <b>Prof. Dr. Gamal Emera,</b> 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: