**COURSE OUTLINE**

1. **GENERAL**

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| **SCHOOL** | School of Health Sciences | | | | |
| **ACADEMIC UNIT** | Faculty of Medicine | | | | |
| **LEVEL OF STUDIES** | Undergraduate | | | | |
| **COURSE CODE** | **ΙΑE930** | **SEMESTER** | | **9th** | |
| **COURSE TITLE** | Basic principles of GI surgical oncology | | | | |
| **INDEPENDENT TEACHING ACTIVITIES** *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits* | | | **WEEKLY TEACHING HOURS** | | **CREDITS** |
| lectures | | | 2 | | 2 |
|  | | |  | |  |
|  | | |  | |  |
| *Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (4).* | | |  | |  |
| **COURSE TYPE**  *general background,  special background, specialised general knowledge, skills development* | Special background. Specialised knowledge. Skills development | | | | |
| **PREREQUISITE COURSES:** |  | | | | |
| **LANGUAGE OF INSTRUCTION and EXAMINATIONS:** | GREEK | | | | |
| **IS THE COURSE OFFERED TO ERASMUS STUDENTS** | NO | | | | |
| **COURSE WEBSITE (URL)** | <https://ecourse.uoi.gr/enrol/index.php?id=350> | | | | |

1. **LEARNING OUTCOMES**

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| **Learning outcomes** | |
| *The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.*  *Consult Appendix A*   * *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area* * *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B* * *Guidelines for writing Learning Outcomes* | |
| The objectives of the course are to deepen the knowledge of Surgical Oncology of the digestive tract (esophagus, stomach, small and large intestine) and to acquire basic knowledge in the multidimensional treatment of these patients.  In each individual chapter, the anatomy and physiology of the organs of the digestive tract will be initially reviewed. Subsequently, we will focus on the epidemiology, etiology, biological behavior, diagnosis and staging of tumors. The targeted therapeutic approach, based on the stage of the tumor, can concern either neoadjuvant or surgical treatment. An analysis of the indications and results of each therapeutic approach will be made, while a more thorough reference will be made to the principles of surgical treatment of gastrointestinal neoplasms and the type of surgical procedures. In addition, emphasis will be placed on laparoscopic treatment, which is the method of choice for the majority of neoplasms.  Upon completion of the course, the student will have comprehensive knowledge of the treatment of patients with neoplasms of the upper and lower digestive tract. | |
| **General Competences** | |
| *Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?* | |
| *Search for, analysis and synthesis of data and information, with the use of the necessary technology*  *Adapting to new situations*  *Decision-making*  *Working independently*  *Team work*  *Working in an international environment*  *Working in an interdisciplinary environment*  *Production of new research ideas* | *Project planning and management*  *Respect for difference and multiculturalism*  *Respect for the natural environment*  *Showing social, professional and ethical responsibility and sensitivity to gender issues*  *Criticism and self-criticism*  *Production of free, creative and inductive thinking*  *……*  *Others…*  *…….* |
| * Searching, analyzing and synthesizing data and information * Working independently and as a part of a team * Making decisions   • Adapting to new situations | |

1. **SYLLABUS**

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| 1. SURGICAL ONCOLOGY: DEFINITIONS, EPIDEMIOLOGY, DETECTION, MOLECULAR BIOLOGY  2. PRINCIPLES OF CHEMOTHERAPY AND TARGETED THERAPY  3. NEOPLASMS OF THWE ESOPHAGUS:  - ANATOMY – PHYSIOLOGY OF THE ESOPHAGE  - HISTOLOGICAL TYPES, CLINICAL PRESENTATION  - DIAGNOSIS, STAGING  - TREATMENT ALGORITHM (SURGERY/ONCOLOGY)  4. NEOPLASMS OF THE STOMACH:  - ANATOMY – PHYSIOLOGY OF THE STOMACH  - HISTOLOGICAL TYPES, CLINICAL PRESENTATION  -DIAGNOSIS, STAGING  - TREATMENT ALGORITHM (SURGERY/ONCOLOGY)  5. NEOPLASMS OF THE SMALL BOWEL:  - ANATOMY – PHYSIOLOGY OF THE SMALL BOWEL  - HISTOLOGICAL TYPES, CLINICAL PRESENTATION  - DIAGNOSIS, STAGING  - TREATMENT ALGORITHM (SURGERY/ONCOLOGY)  6. NEOPLASMS OF THE COLON:  - ANATOMY – PHYSIOLOGY OF THE LARGE BOWEL  - HISTOLOGICAL TYPES, CLINICAL PRESENTATION  -DIAGNOSIS, STAGING  - TREATMENT ALGORITHM (SURGERY/ONCOLOGY)  7. NEOPLASMS OF THE RECTUM:  - ANATOMY – PHYSIOLOGY OF THE ENTUS  - HISTOLOGICAL TYPES, CLINICAL PRESENTATION  - DIAGNOSIS, STAGING  - TREATMENT (SURGERY/ONCOLOGY) |
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1. **TEACHING and LEARNING METHODS - EVALUATION**

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| **DELIVERY** *Face-to-face, Distance learning, etc.* | Face-to-face |
| **USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY** *Use of ICT in teaching, laboratory education, communication with students* | Face-to-face  Use of ICT in teaching, communication with students |
| **TEACHING METHODS**  *The manner and methods of teaching are described in detail.*  *Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.*  *The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS* | |  |  | | --- | --- | | ***Activity*** | ***Workload of each students group*** | | lectures | 26 | |  |  | | Study/Essay writing | 30 | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | | Total work load | 56 | |
| **STUDENT PERFORMANCE EVALUATION**  *Description of the evaluation procedure*  *Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other*  *Specifically-defined evaluation criteria are given, and if and where they are accessible to students.* | Assessment Language: Greek  Assessment Methods: Essay writing and presentation |

1. **ATTACHED BIBLIOGRAPHY**

*Teaching - study material*

Powerpoint slides

Medical journal search