**COURSE OUTLINE**

1. **GENERAL**

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| **SCHOOL** | School of Health Sciences | | | | |
| **ACADEMIC UNIT** | Faculty of Medicine | | | | |
| **LEVEL OF STUDIES** | Undergraduate | | | | |
| **COURSE CODE** | **ΙΑΥ702** | **SEMESTER** | | **7th** | |
| **COURSE TITLE** | SURGICAL PATHOLOGY I | | | | |
| **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 | | | 4 | | 3 |
| Clinical practice | | | 8 | | 1 |
|  | | |  | |  |
| *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* | *specialised general 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* | |
| * At the end of the semester, the students will have been taught the content and specifics of surgical science, the preoperative assessment and postoperative monitoring of patients. They will be taught the pathology behind surgical diseases of different anatomic systems, they will learn the differential diagnosis and therapeutic treatment, which includes the type and complications of the indicated surgical procedures. * The goal of the clinical practice is that students will be able to communicate effectively with patients (hospitalized or outpatients), to obtain an adequate medical history, to perform a comprehensive clinical examination. Based on this, they will be able to make the differential diagnosis and ask for the indicated paraclinical examinations, in order to establish the diagnosis**.** | |
| **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…*  *…….* |
| * Search, analysis and synthesis of data and information by taking a history and using the necessary paraclinical examinations   • Autonomous and Group work  • Exercise of criticism and self-criticism  • Promotion of free, creative and inductive thinking | |

1. **SYLLABUS**

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| History of Surgery.  The urgical patient and its specifics.  Metabolic response to trauma. Mechanism of healing.  Preoperative patient assessment and preparation.  Principles of Surgery. Postoperative care - Postoperative complications.  Basic principles of fluid and electrolyte balance in surgical patients.  Shock.  Blood transfusion, hematological problems of surgical patients.  Nutritional disorders - nutritional support.  Surgical infections, antibiotics.  Treatment of trauma patient.  Surgical skin diseases.  Soft tissue tumors, head and neck tumors.  Breast diseases.  Clinical manifestations of digestive diseases.  Diseases of the esophagus, diaphragm.  Diseases of Stomach.  Diseases of the abdominal walls, omentum, mesentery, retroperitoneal space –  Hernias.  Principles of surgical treatment of cancer.  Principles of Transplantation.  Energy sources and their proper use in Surgery |

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 | 60 | | Clinical practice | 40 | | study | 20 | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | | Total work load | 120 | |
| **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: Multiple Choice Questions and Short reply |

1. **ATTACHED BIBLIOGRAPHY**

*Teaching - study material*

General Surgery. Ed Ioannis Kanellos. 2021. Hippocrates Medical Publications, Thessaloniki, Greece.

Oxford Surgery -Principles. Thomas W., Reed M., Wyatt M. 2023, BROKEN HILL PUBLISHERS LTD