**COURSE OUTLINE**

1. **GENERAL**

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| **SCHOOL** | School of Health Sciences |
| **ACADEMIC UNIT** | Faculty of Medicine |
| **LEVEL OF STUDIES** | Pregraduate |
| **COURSE CODE** | IAE925 | **SEMESTER** | **I** |
| **COURSE TITLE** | Tutorial Lessons of Gastroenterology and Hepatology |
| **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 with discussion of clinical cases | 2 | 2 |
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| *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* | Specialization of general required knowledge at a higher level |
| **PREREQUISITE COURSES:** | Not applicable – no prerequisite courses or skills required |
| **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=1648 |

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*
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| **The students will gain current and advanced specialized knowledge about the most common diseases of gastroenterology and hepatology. This subject is a different specialty now and has been initially developed as a subspecialty of Internal Medicine. It is important to mention that the medical students will be familiarized with gastrointestinal endoscopy of upper gastrointestinal tract, lower gastrointestinal tract, bilariy tract and pancreas, which in turn plays important role on current practice of medicine and investigation of various abnormal diseases and conditions.** **The students who attend the lesson gain the following advantages and skills:** 1. **Specialized knowledge of important diseases of Gastroenterology and Hepatology.**
2. **Development of clinical mind for the students and improved ability for differential diagnosis.**
3. **Recognition of endoscopic pictures and acquaintance with various endoscopic gastrointestinal procedures.**
4. **Recognition of the important role of disease prevention eg of hepatitis B with prophylactic vaccination, of colorectal cancer with screening colonoscopy and polyp resection if required.**
5. **Improved ability of clinical decision making with the presentation of actual and triggering clinical cases.**
6. **Familiarization with the internal parts of our gastrointestinal tract and the normal functions of the digestive system.**
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| **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…**…….* |
| The skills that the medical students develop are the following: 1. Increased ability for decision making.
2. Adaptation in handling difficult and complicated cases.
3. Knowledge of some very important and common diseases of gastrointestinal tract, liver, biliary tree and pancreas.
4. Culture and development of a clinical mind.
5. Ability to recognize pictures and abnormal conditions of the gastrointestinal tract.
6. Development of interest on interventional and technical procedures.
7. Recognition of the role of technology in the progress of medical sciences.
8. Opportunity to write a manuscript about a subject of the digestive system and liver.
9. Advanced and specialized knowledge provided by experienced mentors and academic tutors which will serve as a compact keystone for a physician irrespective of his future medical specialty selection.

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1. **SYLLABUS**

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| Peptic ulcer disease – Upper Gastrointestinal Bleeding and Current Endoscopic Treatment |
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| Viral Hepatitis B and its Current Treatment |
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| Benign Diseases of the Biliary Tree and their Current Treatment |
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| Dilemmas in Acute Pancreatitis – Diagnosis and Treatment |
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| Cystic Lesions of the Pancreas |
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| Inflammatory Bowel Diseases – Current Monitoring and Treatment of the Patients |
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| Colorectal Polyps and Current Management – Prevention of Colorectal Cancer |
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| Viral Hepatitis C and its Current Treatment |
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| Celiac Disease: the silent disease. Other Malabsoprtion Syndromes |
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| Cirrhosis of the Liver and Liver Transplantation |
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| Achalasia and other Motility Disorders of the Esophagus |
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| Hepatic Abcesses |
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| Autoimmune liver diseases – Liver involvement in systemic diseases |

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1. **TEACHING and LEARNING METHODS - EVALUATION**

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| **DELIVERY***Face-to-face, Distance learning, etc.* | Face-to-face teaching |
| **USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY** *Use of ICT in teaching, laboratory education, communication with students* | Use of information and communications technology during the teaching process. Direct communication with the 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* |

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| ***Activity*** | ***Workload of each students group (two groups per semester)*** |
| *Lectures – presentation of clinical cases* | 39 |
| *Study and analysis of literarture* | 11 |
| *Examinations – evaluation tests* | 3 |
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| Total of the lesson | ***53 hours*** |

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| **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.* | Language of evaluation: GreekWritten evaluation with multiple choice questions.There is no negative grading.The test is considered successful if more than 50 per cent of the questions is answered correctly.  |

1. **ATTACHED BIBLIOGRAPHY**

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| *Teaching - study material: Written material of presentations, courses and lessons.**Selected books which are provided by the University of Ioannina and Government and have as subject Gastroenterology and Hepatology* |