Y22 -Introduction to Information & Communication Technologies

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Semester: 1st

ECTS: 5

Short Description:

This course is an introduction to Information and Communication Technologies (ICT). The general objective is to improve students' understanding of the fundamentals of Computer Science and enhance their ICT knowledge and skills necessary for both their studies and their social and professional activities.

The content is structured along four axes:

- Computer Science fundamentals
- ICT as technological and communication system
- ICT as a problem solving tool
- ICT as a social phenomenon.

Aims:

The specific objectives of the course are for students

- to update and enhance their ICT knowledge
- to improve and enhance their ICT skills regarding the use of general-purpose software (word possessing, spreadsheets, presentations etc.) and Internet services/applications
- toobtain a complete view of the role and the impact of ICT in education and society in general.

Learning Outcomes:

Having completed this course, students will be able

- to implement their assignments using a text editor
- to solve problems using spreadsheets
- to create presentations in order to present their ideas and tasks
- to effectively use strategies of searching and evaluating information to implement their tasks and assignments
- to develop attitudes and values needed to understand the new social, educational and cultural environment in the digital era.

Structure:

The course comprises lectures on theoretical subjects (2 hours/week) and learning tasks in the computer laboratory (2 hours/week), i.e. in total 52 hours of instruction. Both attendance and successful implementation of laboratory tasks/exercises are obligatory. The course is supported by a specific e-learning platform that has been set by the eLearning Research Group (http://eprl.korinthos.uop.gr/mylms/index.php).

Assessment:

Student assessment is based on weekly individual assignments (20%), their group project during the semester (20%), and the final written exams (60%).

Bibliography:

Course folder (instructor's notes, worksheets, articles, online sources etc.), which is updated every academic year.