ΚΕΠ17 - ICT in Education

Tutor: Athanassios Jimoyiannis

Semester: 6th
ECTS: 4.5

Short Description:

This course is designed to introduce undergraduate students to the applications of Information and Communication Technologies (ICT) in various educational programs. The general objective is to give a complete and thorough overview of the scientific field of ICT in education and the current trends concerning research and applications in practice.
The content is structured along four axes:

- ICT and learning theories
- Educational software and Web-based learning environments
- ICT and learning design
- Policies about ICT in education.

Aims:

Specific objectives of the course are

- to develop an integrated view of ICT in education as an independent scientific field
- to understand ICT as a cognitive/learning tool in the context of contemporary theories about teaching and learning
- to critically analyse current educational policies regarding ICT in education and e-learning

Learning Outcomes:

After having completed this course, students will be able

- to recognise technological environments and tools that support and enhance learning
- to identify the principles and the pedagogical philosophy determining the harnessing of ICTs in educational practice
- to apply learning design principles and methodologies of implementing educational programs and interventions with ICT tools
- to effectively use evaluation criteria regarding ICT-based learning environments and digital educational material
- to critically examine current models and policies for the integration of ICT in educational practice.

Structure:

The course comprises lectures on theoretical subjects, practice and tasks in the computer laboratory and learning tasks implemented through the e-learning platform. The course is supported by a specific e-learning platform that has been set by the eLearning Research Group (http://moodle.korinthos.uop.gr).

Assessment:

Student assessment is based on 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 isupdated

every academic year.

Komis V. (2004). Introduction to the educational applications of ICT. Athens: NewTechnologies

Raptis A. & Rapti A. (2013). Learning and Instructions in the Information Age. Athens