



UNIVERSITY OF NICOSIA

ΠΑΝΕΠΙΣΤΗΜΙΟ ΛΕΥΚΩΣΙΑΣ

University of Nicosia, Cyprus

Course Code EDUS-265	Course Title Educational Technology	ECTS Credits 3
Department Pedagogical Studies	Semester Spring	Prerequisites EDUS-170
Type of Course Required	Field Computer Science	Language of Instruction Greek
Level of Course 1 st Cycle	Year of Study 2 nd	Lecturer(s) Theodora Michaelidou
Mode of Delivery face-to-face	Work Placement N/A	Co-requisites None
Recommended Optional Programme Components: N/A		

Objectives of the course:

The objective of this course is to inform students on the modern tools and equipment that can be used in education and help students develop their skills so that they can use this equipment to improve teaching and learning. Specifically, with the completion of this course, students are expected to be able to:

- Explore and understand the impact of new technologies on education.
- Acquire the necessary skills to use technological equipment available in most schools.
- Use and integrate new technologies in the classroom to improve teaching and learning.

Learning outcomes:

With the completion of the course, students are expected to be able to:

- Understand the contribution of new technologies (internet, interactive application, educational software and games, etc) in education
- Acquire the necessary skills to use the various technological equipment found in schools.
- Become familiar with the use of educational technologies.
- Exploit the potential of ICT for enriching, enhancing and enhancing the traditional teaching practises.
- Use new technologies as part of their teaching in the classroom.
- Choose the appropriate application and equipment according to their learning objectives.

Course content:

- Introduction to educational technology – terms and contemporary issues.
- The value and the use of teaching equipment and the process of using the appropriate ones based on the learning objectives.
- An overview on the traditional teaching tools and equipment.
- An overview of the mass media equipment (e.g. Radio, TV, video).
- Computers and e-learning.
- The use of Internet in education.
- Evaluation, selection and use of appropriate educational software.
- Technology and educational reform.
- Development of digital content and its use in teaching and learning
- Distance learning and virtual reality.

Learning activities and teaching methods:

Lecture, workshops, experiential seminars, individual and group work, individual feedback, case study analysis, student presentations, interactive software.

Assessment methods:

Formative assessment, feedback, individual research, collaborative work, presentations, discussions, project.

Required textbooks/reading:

Lecturer's notes

Recommended Textbooks/Reading:

Ρετάλης Σ. (2005). *Οι προηγμένες τεχνολογίες διαδικτύου στην υπηρεσία της μάθησης*, Αθήνα: Εκδόσεις Καστανιώτη.

Κυρίδης, Α., Δρόσος, Β., & Ντίνας, Κ. (2003). *Η πληροφοριακή επικοινωνιακή τεχνολογία στην προσχολική και πρωτοσχολική εκπαίδευση: Το παράδειγμα της γλώσσας*. Αθήνα Τυπωθήτω, Γιώργος Δαρδανός.

Παναγιωτακόπουλος, Χ., Πιερρακέας, Χ., & Πιντέλης, Π. (2003). *Το εκπαιδευτικό λογισμικό και η αξιολόγηση του*. Αθήνα: Μεταίχμιο, Επιστήμες.

Σημειώσεις στα ελληνικά, άρθρα και βιβλία από ελληνική και αγγλική βιβλιογραφία.

Jonassen, D.H. (2000). *Computers as Mindtools for Schools: Engaging Critical Thinking*. Columbus, OH: Prentice-Hall.

Jonassen, D. H. (1996). *Computers in the classroom. Mindtools for critical thinking*. Englewood Cliffs, NJ: Prentice Hall.

Roblyer, M.D. & Edwards, J. (2000). *Integrating educational technology into teaching*. Upper Saddle River, NJ: Prentice Hall.