



Course Code MULT-452	Course Title Multimedia-Based Learning	ECTS Credits 6
Department Design & Multimedia	Semester Spring	Prerequisites MULT-363
Type of Course Major	Field Applied Multimedia	Language of Instruction English
Level of Course 1 st Cycle	Year of Study 4 th	Lecturer Dr Aimilia Tzanavari
Mode of Delivery Face-to-face	Work Placement N/A	Co-requisites None

Objectives of the Course:

The evolution of telecommunication technologies, changes in student demographics and the need for lifelong professional development have increased interest in multimedia-based learning.

As part of the present course, the students will be guided in:

- Inventing engaging learning activities
- Targeting specific goals
- Creating online tests and assessments
- Social and Mobile Learning

This course will also help students select media, ensure reuse of content, specify learning objects, design the display, and make courses navigable.

Learning Outcomes:

After completion of the course students are expected to be able to:

- Describe what e-learning design and multimedia learning is
- Identify and design (based on best practices) absorb-type activities
- Identify and design (based on best practices) do-type activities
- Identify and design (based on best practices) connect-type activities
- Accurately and fairly assess the success of learning through the design of tests
- Make Strategic decisions regarding which of the many types of e-learning will work best for their learners
- Distinguish Social Learning and Mobile Learning
- Express his/her opinion with respect to the evaluation of e-learning material.

Course Contents:

1. **What is e -learning design and multimedia learning?**
2. **Absorb-type activities:** How can learners acquire information - How do I design activities where learners read, watch and listen?
3. **Do-type activities:** How do/can learners practice, explore, and discover.
4. **Connect-type activities:** How do learners link what they are learning to prior learning, to work, and to life.
5. **Tests:** How do I accurately and fairly assess the success of learning.
6. **Topics:** How do I design modules of e -learning to accomplish specific learning objectives - How do I make them reusable.
7. **Lessons:** How do I design learning objects to cover broad areas or ambitious learning objectives.
8. **Social and Mobile Learning:** What are the characteristics of social and mobile learning.
9. **Evaluation:** How do we evaluate e-learning systems.

Teaching Methods:

Lectures, Practical Exercises and Assignments, Blended Learning.

Assessment Methods:

Final Project, Mid-Term Exam, Assignments/Homework, Participation

Required Textbooks:

Authors	Title	Publisher	Year	ISBN
Horton, W.	E-Learning by Design	Pfeiffer	2012	0470900024

Recommended Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
Clark, R.C. & Mayer, R.E.	E-Learning and the Science of Instruction	Pfeiffer	2011	978-0-470-87430-1