**COURSE OUTLINE**

1. **GENERAL**

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| **SCHOOL** | BUSINESS AND ECONOMICS |
| **DEPARTMENT** | BUSINESS ADMINISTRATION |
| **LEVEL OF STUDY**  | POSTRGRADUATE/MANAGEMENT OF EDUCATIONAL ORGANISATIONS |
| **Course Unit Code** |  | **SEMESTER OF STUDY** | 2nd  |
| **Course Title** | INNOVATION AND TECHNOLOGY IN EDUCATION |
| **Coursework Breakdown** | **TEACHING WEEKLY HOURS** | **ECTS Credits** |
| Lectures | 3 | 6 |
| Laboratory Exercises | 1 |  |
| WorkShops | 1 |  |
|  |  |  |
| **Course Unit Type** | SCIENTIFIC AREA COURSE |
| **Prerequisites :** |  |
| **Language of Instruction/Exams:** | GREEK  |
| **COURSE DELIVERED TO ERASMUS STUDENTS** |  |
| **Module web page (URL)** | http://moodle.teipir.gr/course/info.php?id=451 |

1. **Learning Outcomes**

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| **Learning Outcomes** |
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| The course presents current trends and concepts in education with emphasis on new teaching approaches (multidisciplinary - exploratory - teamwork) using Information and Communication Technologies for the development of innovative educational programs. The course presents modern tools and systems used in education with emphasis on Internet technologies and the example of the participatory web (Web 2.0).Upon successful completion of the course students should be able to:* analyze modern teaching approaches
* select modern tools and systems in learning design
* organize the resources and activities of the educational process using modern learning management systems
* utilizing participatory web tools (Web2.0) in the educational process
* realize the value of standards in learning technologies
* use learning - analytics to evaluate online activities
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| **General Skills** |
| - Individual work- Teamwork- Adaptation in new situations- Planning and management of a project |

1. **Course Contents**

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| The course is organized around topics such as:* Modern teaching approaches
* Learning Design and IMS LD standard
* Learning Management Systems
* Virtual Classes
* Web 2.0 tools
* Authoring tools for the development of Multimedia Learning Content
* Collaborative issues, systems and trends
* Learning Technology Standards
* Evaluation Issues
* Learning Analytics
* Adaptive educational systems
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1. **Teaching Methods - Assessment**

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| **Mode of DeliverY** | In-Class and asynchronous support through the learning management system Moodle |
| **USE OF INFORMATION AND COMMUNICATION TECHNOLOGY** | Support of the learning process through the Moodle system.  |
| **TEACHING METHODS** |

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| ***Method description*** | ***Semester Workload*** |
| Lectures | 39 |
| Class Work | 13 |
| Preparing of Group Projects | 50 |
| Workshops | 13 |
| Independent and Directed Learning | 60 |
| ***TOTAL*** | **175** |

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| **ASSESSMENT METHODS** | **Ι. Final Exaination** (60%) (Summative Evaluation) includes:- Multiple choice questions - Case Studies Evaluation Objective: To assess the understanding of the fundamentals of the course.Evaluation Criteria: Comprehensiveness, accuracy, and critical evaluation of the answers.**ΙΙ. Group Project** (40%) (Summative Evaluation): Case Study:Design & development of a course using modern teaching approaches and tools.Evaluation Objective: To assess the skills developed by the students in the:* analysis of modern teaching approaches
* selection of modern tools and systems in learning design
* organization of the resources and activities of the educational process using a modern learning management system
* utilization of Web2.0 tools in the educational process
* use of usage statistics tools in the evaluation of an electronic course

Evaluation Criteria: The completeness, accuracy and critical evaluation of the proposed solution, the organization and management of teamwork and presentation.Evaluation criteria are explicitly referred on the site of the course for each learning activity. |

1. **Resources**

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| *-**Recommended Book and Journal Article Resources:***Books**:* Michael G. Moore, Greg Kearsley, (2011). Distance Education: A Systems View of Online Learning (What's New in Education), Wadsworth Publishing 3rd Edition, April 22, 2011, ISBN-10: 1111520992, ISBN-13: 978-1111520991
* Robert A. Reiser, John V. Dempsey, (2011). Trends and Issues in Instructional Design and Technology (3rd Edition), Pearson; ISBN-10: 0132563584, ISBN-13: 978-0132563581
* Y. Psaromiligkos, A. Spyridakos, S. Retalis (Editors) (2012). “Evaluation in eLearning”, Nova Publishers, ISBN: 978-1-61942-942-0.
* Πετροπούλου Ο., Κασιμάτη Α., Ρετάλης Σ. (2015). Σύγχρονες Μορφές Εκπαιδευτικής Αξιολόγησης με Αξιοποίηση Εκπαιδευτικών Τεχνολογιών. [ηλεκτρ. βιβλ.] Αθήνα:Σύνδεσμος Ελληνικών Ακαδημαϊκών Βιβλιοθηκών. Διαθέσιμο στο: <http://hdl.handle.net/11419/232>
* Σ. Ρετάλης (επιμέλεια έκδοσης) (2005). «Οι Προηγμένες Τεχνολογίες Διαδικτύου στην Υπηρεσία της Μάθησης», Εκδόσεις Καστανιώτης ISBN 960-03-3983-X.
* Isaias, P., Spector, J.M., Ifenthaler, D., Sampson, D.G. (Eds.) (2015). E-Learning Systems, Environments and Approaches Theory and Implementation,Springer International Publishing, DOI 10.1007/978-3-319-05825-2

**Internet*** <http://elearnmag.acm.org/archive.cfm?aid=1773975>
* <http://blogs.articulate.com/rapid-elearning/3-proven-techniques-to-add-creativity-to-your-e-learning-courses/>
* <http://www.openeducationeuropa.eu/sites/default/files/old/6_1241013156.pdf>
* <http://www.openeducationeuropa.eu/el/paper/%CE%BA%CE%B1%CE%B9%CE%BD%CE%BF%CF%84%CE%BF%CE%BC%CE%AF%CE%B1-%CE%BA%CE%B1%CE%B9-%CE%B4%CE%B7%CE%BC%CE%B9%CE%BF%CF%85%CF%81%CE%B3%CE%B9%CE%BA%CF%8C%CF%84%CE%B7%CF%84%CE%B1>
* <http://www.lrf.gr/programmemedia/1371642049_2.pdf>
* <http://c4lpt.co.uk/directory/top-100-tools/>
* <http://all4learning.daidalos.teipir.gr/>
* <http://elearningindustry.com/free-elearning-and-instructional-design-books>
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