

CATALOGUE COURSE

MASTER: E-LEARNING SYSTEMS MANAGEMENT

Cycle

Second cycle

Degree

Master

Coordinators

CORREIA, Carlos; TOMÉ, Irene

Opening date

September

Vacancies

30 vacancies

Fees

Total: 2000 €

Schedules

The course is developed using a mix method of complementary on-site and online teaching (e-Learning e b-Learning).

Hours of ECTS Coordinator: to combine.

Learning objectives

General skill

To know how to create courses for e-Learning systems.

Objectives

- 1) To acquire and apply knowledge in developing multimedia technologies and programmes;
- 2) To know and apply concepts of online learning;
- 3) To acquire and apply knowledge in the online projects management.

Access conditions

- 1) As the paragraph 1 of Article 17 of Decree-Law n. 74 of 24 March 2006;
- 2) Candidates who meet the conditions of an academic nature and curricular expressed in paragraph 1 of this Article shall be selected according to the following criteria:
 - a) Classification of degree ("Licenciatura" or 1st cycle in any area);
 - b) Curriculum academic and scientific;
 - c) Professional resume;
 - d) Possible interview.

Degree pre-requisites

Duration: 3 semesters

Total credits: 93 credits (60/courses + 33/ Dissertation or Practical Project oriented by one teacher)

Methods of third semester: Dissertation or Practical Project.

Number of credits under a free option: 0

Access to other courses

Course of study leading to a doctoral degree. On the specific conditions for access to the doctoral refer to the regulations of doctoral courses on Faculty.

Evaluation rules

- 1) For the frequency of the master's courses are not required precedence mandatory.
- 2) The evaluation of knowledge related to the school's program has individual character and conduct will be the end of the semesters. Will be considered in the assessment of knowledge, final exams written and / or oral assignments or other elements of assessment carried out by the students in the various courses in the conditions set by their teachers. The result of the assessment will be expressed on a scale of 0 to 20.
- 3) It is approved in a course the student who obtains a final mark equal to or higher than 10.
- 4) The achievement of 60 credits of the program's master precedes registration for the realization of the dissertation, project or internship with the report.
- 5) For the evaluation of non-teaching component refer to the rules of non-teaching component of the master Faculty.

Curriculum structure

Required		
Code	Name	ECTS
722141056	Multimedia Communication	10
722141057	Online Data base Management	10
722141055	Education Projects Management	10
722141053	Networking Concepts for the Learning Multimedia	10
722141054	Research Methodology on e-Learning	10
722141058	E-learning: Theory and Practice	10

Option		
Code	Name	ECTS
722141048	Dissertation on E-learning Systems Management	33
722141057	Practical Project on E-learning Systems Management	33

Each student should adopt one of the three modalities.

Multimedia Communication

Code: 722141056

Academic unit: Faculdade de Ciências Sociais e Humanas / Faculty of Social and Human Sciences)

Credits: 10.0

Weekly hours: 4

Teaching language: Portuguese

Teacher: TOMÉ, Irene

Objectives:

1. Learn digital video and sound work;
2. Knowing edit projects;
3. Do editing of videos and didactic in order to integrate the project work of teachers and students.

Pre-requisites:

“Licenciatura” (Graduation - 1st cycle in any area)

Contents:

1. Systems audio-scripto -visual:
 - a) understand specific languages; b) master techniques; c) exercising skills.
2. Interactive multimedia systems:
 - a) understand languages; b) master techniques; c) exercising skills.
3. The Network of Networks:
 - a) Program Integration; b) domain of e-learning platforms.
4. Activities and skills assessment.

Bibliography

- ALTEN, M. (1996). Audio in media. The recording studio. Wadsworth Publishing Company.
- DANNEBERG, Roger e Fisher, Rob (2001). An audience-interactive multimedia production on the brain. In Proceedings of the Symposium for Arts and Technology. Connecticut: Connecticut College, March.
- NORA, Paul e FIEBICH, Christina (2005). Elements for digital storytelling. Institute for New Media Studies. <http://www.inms.umn.edu/Elements/>.

Teaching methodology

Theoretical/Practical. 14% – the percentage was calculated using the traditional concept of a practical class. The course is developed using a mix method of complementary on-site and online teaching.

Assessment methodology

Presentation of papers, tests, collaborative practice and public presentation of the Dissertation or Practical Project.

Homepage

<http://www.citi.pt/mestrado/>

Courses

E-learning Systems Management (Master)

Online Data Base Management

Code: 722141057

Academic unit: Faculdade de Ciências Sociais e Humanas / Faculty of Social and Human Sciences)

Credits: 10.0

Weekly hours: 4

Teaching language: Portuguese

Teacher: CORREIA, Carlos

Objectives:

1. Learn to conceptualise databases;
2. Knowing to produce relational databases;
3. Make the management and didactic system in order to serve the needs of working teachers and students.

Pre-requisites:

“Licenciatura” (Graduation - 1st cycle in any area)

Contents:

1. Databases: Structuring a database, Database Integration, Definition of queries.
2. Application of the concept of databases to e-learning platforms. Master the techniques of integration, control and data integrity.
3. Activities and skills assessment.

Bibliography

KROENKE, David (1983). *Database processing*. 2nd ed., Science Research Associates.

REINGRUBER, Michael C.; Gregory, William W. (1994). *The data modeling handbook: A best-practice approach to building quality data models*. John Wiley & Sons, Inc.

SIMSION, Graeme (1994). *Data modeling essentials: Analysis, design, and innovation*. International Thompson Computer Press.

DATE, Chris (2004). *Introduction aux bases de données*. Paris, Éditions Vuibert.

TEOREY, Toby J. (2007). *Database modeling & design: The basic principles*. 2nd ed., Morgan Kaufmann Publishers, Inc

Teaching methodology

Theoretical/Practical. 14% – the percentage was calculated using the traditional concept of a practical class. The course is developed using a mix method of complementary on-site and online teaching

Assessment methodology

Presentation of papers, tests, collaborative practice and public presentation of the Dissertation or Practical Project.

Homepage

<http://www.citi.pt/mestrado/>

Courses

E-learning Systems Management (Master)

Education Projects Management

Code: 722141055

Academic unit: Faculdade de Ciências Sociais e Humanas / Faculty of Social and Human Sciences)

Credits: 10.0

Weekly hours: 4

Teaching language: Portuguese

Teacher: SEROEN, Jean-Dominique

Objectives:

1. Learn the basics of Project Management;
2. Apply principles and guidelines for online courses;
3. Develop projects of a personal nature

Pre-requisites:

“Licenciatura” (Graduation - 1st cycle in any area)

Contents:

1. Plan to develop projects for online learning systems;
2. Design and structuring of management plans for school systems online
3. Educational projects: scenario analysis;
4. Study of Anglo-Saxon cases: analysis. Anglo-Saxon models of management systems and e-learning implementation in the Portuguese-speaking world.
5. Activities and skills assessment.

Bibliography

KAUSHIK, Vijay Kumari (1996). *Management and evaluation of distance learning*. November 1.
SCHENK, Karen D. (2003). *The design and management of effective distance learning programs*. April 1.
ITEMA (2004). *Distance learning as applied to project management*. Itema Consortium

Teaching objectives

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Assessment methodology

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Courses

E-learning Systems Management (Master)

Networking Concepts for the Learning Multimedia

Code: 722141053

Academic unit: Faculdade de Ciências Sociais e Humanas / Faculty of Social and Human Sciences)

Credits: 10.0

Weekly hours: 4

Teaching language: Portuguese

Teacher: CORREIA, Carlos

Objectives:

1. Learn the basics of Network Management;
2. Apply the concepts of networks conceptual courses;
3. Conceptualisation, production and network management concepts in Web 2.0 systems
4. Develop projects of a personal nature.

Pre-requisites:

“Licenciatura” (Graduation - 1st cycle in any area)

Contents:

1. Definition of the conceptual network;
2. From hypertext to hypermedia;
3. Application exercises;
4. E-learning and conceptual networks;
5. Conceptual integration networks in e-learning systems;
6. Exercises on individual projects.

Bibliography

CORREIA, Carlos (1997). *Multimédia on / off-line*. Lisboa: Editorial Notícias

CORREIA, Carlos (1997). *Multimédia de A*. Lisboa: Editorial Notícias

CORREIA, Carlos (1997). *Televisão interactiva – A convergência dos média*. Lisboa: Editorial Notícias.

CORREIA, Carlos (1998). Multimedia and interactivity. *In Acts do 9th European Television and Film Forum*. Dusseldorf: The European Institute for the Media, p. 55.

CORREIA, Carlos (1999). *Os desafios multimédia na formação profissional*. Lisboa: Instituto do Emprego e Formação Profissional, Coleção Aprender.

CORREIA, C. e TOMÉ, I. (2006). *O que é o e-Learning*. Lisboa: Plátano Editora.

RHEINGOLD, H. (2000). *The virtual community* (rev. ed.). Cambridge, MA: M.I.T.

Teaching objectives

Theoretical/Practical. 14% – the percentage was calculated using the traditional concept of a practical class. The course is developed using a mix method of complementary on-site and online teaching.

Assessment methodology

Presentation of papers, tests, collaborative practice and public presentation of the Dissertation or Practical Project.

Homepage

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Courses

E-learning Systems Management (Master)

Research Methodology on e-Learning

Code: 722141054

Academic unit: Faculdade de Ciências Sociais e Humanas / Faculty of Social and Human Sciences)

Credits: 10.0

Weekly hours: 4

Teaching language: Portuguese

Teachers: Tomé, Irene

Objectives:

1. Knowing to produce courses for e-learning systems;
2. Learn to structure scientific knowledge in order to adapt them to the requirements of online learning platforms;
3. Learn to develop curriculum areas of specialty;
4. Learn to publish and evaluate curriculum areas according to the principles of e-learning systems.
5. Activities and skills assessment.

Pre-requisites:

“Licenciatura” (Graduation - 1st cycle in any area)

Contents:

1. Course design and curriculum: concept and evolution;
2. Curriculum development and online learning platforms: planning and development strategies;
3. Methodology: Principles and procedures of digital research;
4. Pedagogical and didactic online: concepts and issues.

Bibliography

AUDIGIER, F. et al (2006). *Curriculum, enseignement et pilotage*. Bruxelles: De Boeck & Larcier.

COUTINHO, Clara (2011) *Metodologia de Investigação em Ciências Sociais e Humanas. Teoria e Prática*. Coimbra: Edições Almedina.

DEMEUSE, M.; STAUVEN, C. (2006). *Développer un curriculum d'enseignement ou de formation*. Bruxelles : Éditions De Boeck.

GARRISON, R.; ANDERSON, T. (2003). *e-Learning in the 21st. Century*. London: Routledge Falmer

Teaching objectives

Theoretical/Practical. 14% – the percentage was calculated using the traditional concept of a practical class. The course is developed using a mix method of complementary on-site and online teaching.

Assessment methodology

Presentation of papers, tests, collaborative practice and public presentation of the Dissertation or Practical Project.

Homepage

<http://www.citi.pt/mestrado/>

Courses

E-learning Systems Management (Master)

E-learning: Theory and Practice

Code: 722141058

Academic unit: Faculdade de Ciências Sociais e Humanas / Faculty of Social and Human Sciences)

Credits: 10.0

Weekly hours: 4

Teaching language: Portuguese

Teacher: TOMÉ, Irene

Objectives:

1. Understand the importance of Digital Learning Theories in connection with its digital communication applied to distance learning;
2. Conceptualise the modern concepts of constructivism and constructionism;
3. Learn the concepts apply to any curriculum in online system;
4. Studying the strategies of teaching-learning process and develop digital curriculum projects under the Constructivist Theories of Learning.

Pre-requisites:

“Licenciatura” (Graduation - 1st cycle in any area)

Contents:

1. Teaching and Learning: evolution, dimension and theories;
2. Teaching-Learning Paradigm: traditional versus current;
3. Theories of Learning: context and evolution over time;
4. Constructivism and Constructionism: context and objectives;
5. Consideration of pedagogical and didactic Digital Learning Theories;
6. The developmental theories and their relation to interactive systems of communication;
7. Structuring of e-content and multimedia educational applications: application of psychological mechanisms to design, development and production;
8. From Piaget to Vygostky, Seymour Papert to Resnick: learning by doing. Analysis of Case Studies.

Bibliography

RESNICK, M. e Kafai, Y. (1996). *Constructionism in practice: Designing, thinking, and learning in a digital world*. Mahwah, NJ: Lawrence Erlbaum.

GARNIER, C., BERNARZ, N. E , Ulanovskaya, I. (2004) *Après Vygotski et Piaget. Perspectives sociale et constructiviste. Écoles russe et occidentale*. Louvaine-la-Neuve, De Boeck.

CORREIA, C. e TOMÉ, I. (2007). *O que é o e-Learning*. Lisboa: Plátano Editora.

DEPOVER, C., et al. (2008). *Enseigner avec les technologies*. Québec: Presses de l'Université du Québec

SELWYN, Neil (2013). *Education in a digital world*. London: Routledge

Teaching objectives

Theoretical/Practical. 14% – the percentage was calculated using the traditional concept of a practical class. The course is developed using a mix method of complementary on-site and online teaching.

Assessment methodology

Presentation of papers, tests, collaborative practice and public presentation of the Dissertation or Practical Project.

Homepage

<http://www.citi.pt/mestrado/>

Courses

E-learning Systems Management (Master)

Dissertation on E-learning Systems Management

Code: 722141048

Academic unit: Faculdade de Ciências Sociais e Humanas / Faculty of Social and Human Sciences)

Credits: 33.0

Weekly hours: 0

Schedules: The course is developed using a mix method of complementary on-site and online teaching (e-learning and b-learning).

Teaching language: Portuguese

Homepage

<http://www.citi.pt/mestrado/>

Courses

E-learning Systems Management (Master)

Practical Project on E-learning Systems Management

Code: 722141057

Academic unit: Faculdade de Ciências Sociais e Humanas / Faculty of Social and Human Sciences)

Credits: 33.0

Weekly hours: 0

Schedules: The course is developed using a mix method of complementary on-site and online teaching (e-learning and b-learning).

Teaching language: Portuguese

Homepage

<http://www.citi.pt/mestrado/>

Courses

E-learning Systems Management (Master)