

ECTS - Instituto Superior de Contabilidade e Administração do Porto

Degree: International Mobility Programmes

Course: Information Technology

Academic Year: 2015/2016

Academic year: 1

Number of Credits (ECTS): 4.0

Term: Winter Semester

Attendance: Mandatory

Course Responsible Teacher: Doutora Mariana Malta

Objectives:

- # To understand Internet key concepts
- # To understand the Web potentialities for communication
- # To know Web technologies
- # To understand key concepts of the Linked Data paradigm
- # To be able to plan a Website development

Syllabus:

1. The Internet
 1. Internet and Technology: the World Wide Web, TCP/IP; Packet Switching,
 2. The Client-server model
 3. Proprietary software vs Open Source Software
 4. Open Source Software quality control
2. The World Wide Web
 1. Infrastructures for a Web server
 2. Static vs Dynamic Content
 3. The AMP paradigm
 4. The 4 C of a Web Project
 5. Search Engine Optimisation (SEO)
 6. Metadata and Semantic SEO
4. Project Development
 1. Content Management System typification
 2. Website planning key points
 3. CMS parametrization

Teaching methodologies:

Lectures and laboratory classes using specific equipment. Practical work adapted to course area of situations.

Assessment Methods:

The student assessment is made according to a review of the following schemes:

- a) Continuous assessment;
- b) Final evaluation.

Continuous Assessment

- 1) Attends at least 75% of the classes of the semester. In order to the student to be evaluated by continuous assessment, the frequency in the class in which the student is actually enrolled is obligatory.
- 2) obtains a final classification greater than or equal to 10 values resulting from the application of the weighting of evaluation criteria components.

References:

- Boiko, B. (2005). Content Management Bible. Wiley Publishing Inc. Indianapolis, USA. 2Nd Edition.
- Laudon, K. & Laudon, Jane P. (2013 - Management Information Systems. Pearson. Essex, England. 13 Edition
- Niso Press (2004). Understanding metadata. NISO Press Booklets, US, ISBN, 1:880124#62.
- Google (n/d). Search Engine Optimization: Starter Guide.
- <http://www.w3.org/standards/semanticweb/data> -. Accessed in 7 July 2014

Doutora Mariana Malta

S. Mamede Infesta, 24 de Janeiro de 2016