

EUROPEAN HERITAGE, DIGITAL MEDIA AND THE INFORMATION

(Università degli Studi)

Teaching WEB TECHNOLOGIES

GenCod A004188

Owner professor Roberto PAIANO

Teaching in italian WEB TECHNOLOGIES **Course year** 1

Teaching WEB TECHNOLOGIES

Language INGLESE

SSD code ING-INF/05

Curriculum INTERNAZIONALE

Reference course EUROPEAN HERITAGE, DIGITAL MEDIA AND THE

Course type Laurea Magistrale

Location

Credits 6.0

Semester Primo-Semestre

Teaching hours Ore-Attività-frontale: 42.0

Exam type Orale

For enrolled in 2018/2019

Assessment Voto-Finale

Taught in 2018/2019

Course timetable

<https://easyroom.unisalento.it/Orario>

BRIEF COURSE DESCRIPTION

Topics.

1. Introduction to Modeling of WEB applications.
2. Requirements elicitations and issues of the WEB environment.
3. IDM Methodology.
Conceptual modelling
Logical Modelling – device dependent
Page Modelling
4. Rich-IDM Methodology
Introduction to the Rich Internet Applications.
RIA Modelling.
5. Mobile-IDM Methodology.
Introduction to mobile Applications
Mobile Applications modelling.
6. Developing Framework (Joomla)
7. Usability of Web Applications.

REQUIREMENTS

The students should have at least a general knowledge of base computing and Web applications.

COURSE AIMS

The Web Technologies course aims to provide students with a basic knowledge of Web modeling and programming.

Through the introduction of the modeling methodology IDM (Interactive Dialog Model), it deepens the design of Web applications. The student will be able to make a right design of a Web application and implementing it through the framework JOOMLA.

TEACHING METHODOLOGY

The teaching consists of lectures (20 hours) and exercises (22 hours), which provide for the direct involvement of the student, called to put into practice what they have learned. The Class attendance is strongly recommended.

ASSESSMENT TYPE

Written test

The examination aims to assess the achievement of the following learning goals:

- Knowledge of application design methodology in a Web environment.
- Ability to elicit and to document the requirements of a Web Application.

The student is evaluated on the formal correctness of the project.

Project (Workgroup)

The examination aims to assess the achievement of the following learning and crosscutting goals:

- ability to develop an application in web environment;
- ability to work in a team;
- Ability to Present the work performed;

The student is evaluated on the achievement of the goals set by the project and the design and development mode.

A.A. 2018/2019 – Teacher: prof. Roberto Paiano

First Semester

ECTS 6

1) Course presentation and aim

The Web Technologies course aims to provide students with a basic knowledge of Web modeling and programming.

Through the introduction of the modeling methodology IDM (Interactive Dialog Model), it deepens the design of Web applications.

Topics.

1. Introduction to Modeling of WEB applications.
2. Requirements elicitations and issues of the WEB environment.
3. IDM Methodology.
Conceptual modelling
Logical Modelling – device dependent
Page Modelling
4. Rich-IDM Methodology
Introduction to the Rich Internet Applications.
RIA Modelling.
5. Mobile-IDM Methodology.
Introduction to mobile Applications
Mobile Applications modelling.
6. Developing Framework (Joomla)
7. Usability of Web Applications.

Reference:

Davide Bolchini, Luca Mainetti, Paolo Paolini - Progettare siti web e applicazioni mobili - McGraw Hill, 2006, ISBN: 8838662908

2) Acquired skills

The student will be able to make a right design of a Web application and implementing it through the framework Joomla.

3) Prerequisites

The students should have at least a general knowledge of base computing and Web applications.

4) Teachers involved in the teaching module

In addition to the teacher of the course, prof. Roberto Paiano, it may be involved in teaching external lecturers, who will develop specific topics.

5) Didactic method

The teaching consists of lectures (20 hours) and exercises (22 hours), which provide for the direct involvement of the student, called to put into practice what they have learned.

The Class attendance is strongly recommended.

6) Teaching materials

The course material consists of the recommended textbooks, and materials made available to the students in the University Intranet.

7) Exams.

1. Written test

The examination aims to assess the achievement of the following learning goals:

- Knowledge of application design methodology in a Web environment.
- Ability to elicit and to document the requirements of a Web Application.

The student is evaluated on the formal correctness of the project.

b. Project (Workgroup)

The examination aims to assess the achievement of the following learning and crosscutting goals:

- ability to develop an application in web environment;
- ability to work in a team;
- Ability to Present the work performed;

The student is evaluated on the achievement of the goals set by the project and the design and development mode.

8) Exams reservation and dates of the exams

Students can book for the final exam exclusively using the procedures provided by the system VOL. The examination board is composed as follows: Roberto Paiano (Chair), Luca Mainetti (Member) and Andrea Pandurino (Member).

REFERENCE TEXT BOOKS

Davide Bolchini, Luca Mainetti, Paolo Paolini - Progettare siti web e applicazioni mobili - McGraw Hill, 2006, ISBN: 8838662908