

International Semester

Informatics Department · Polytechnic Institute of Viseu

ICT Network and Security

4 ECTS

Main Objectives

Planning and designing ICT networks, with special emphasis on ICT security.

Study Program

Lectures

Communication architectures and technologies; Wiring Infrastructures and network equipments; Convergence; Networking applications; Network Planning and Project; ICT Security.

Practical classes

Mechanisms for secure communication; Web applications Security; Virtual Private Networks; Authentication Systems; Firewalls; VoIP Systems

Database Technology

4 ECTS

Main Objectives

Developing client-server web applications supported on database systems.

Study Program

Lectures

Database systems; Query languages; Client-server applications; Database management.

Practical classes

Client-server applications for the web; ASPX technology.

Usability

4 ECTS

Main Objectives

Usability evaluation and design of user-friendly interfaces, with emphasis on usability guidelines for web applications.

Study Program

Lectures

Human factors; Usability; Task analysis; Conceptual Models; Prototyping; Heuristic evaluation of interfaces; Predictive models.

Practical classes

Case study - interface with severe usability issues; Development of user-friendly prototypes.



MORE INFORMATION

To find more, please visit us at www.di.estv.ipv.pt

Project

14 ECTS

Main Objectives

Promoting working experience in an enterprise scenario, applying competences acquired in other courses of this International Semester.

Study Program

Project planning, development and implementation; Write reports; Public presentation.

Web Development of Rich Internet Applications

4 ECTS

Main Objectives

Project managing, planning and development of Rich Internet Application.

Study Program

Lectures

Development cycle of Web projects.

Practical classes

Development of Web applications based on FLEX technology.

