Last update: 06-05-2019

230326 - ISSNCC - Implementation of a Small Social Network in the Cloud

Coordinating unit: 230 - ETSETB - Barcelona School of Telecommunications Engineering

Teaching unit: 739 - TSC - Department of Signal Theory and Communications

Academic year: 2019

Degree: BACHELOR'S DEGREE IN TELECOMMUNICATIONS SCIENCE AND TECHNOLOGY (Syllabus 2010). (Teaching unit Optional)
BACHELOR'S DEGREE IN AUDIOVISUAL SYSTEMS ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN ELECTRONIC SYSTEMS ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN TELECOMMUNICATIONS SYSTEMS ENGINEERING (Syllabus 2010). (Teaching unit Optional)
BACHELOR'S DEGREE IN TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING (Syllabus 2015). (Teaching unit Optional)
BACHELOR'S DEGREE IN NETWORK ENGINEERING (Syllabus 2010). (Teaching unit Optional)

ECTS credits: 2 Teaching languages: English

Teaching staff

Coordinator: Monte Moreno, Enrique

Others: Monte Moreno, Enrique

Opening hours

Timetable: Monday 8 to 9:30
Thuesday 8 to 9:30
Friday 8 to 9:30

Prior skills

Have done the 2b

Requirements

Some knowledge of Linux

Teaching methodology

On hands approach with a computer. Theory during the laboratory sessions.

Learning objectives of the subject

Being able to implement a social network in an environment of cloud computing.
Understanding the Amazon Web Services architecture and the systems of storage.
Be able to program a small website interface, and manage a database.

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Study load

Total learning time: 50h	Hours small group:	20h	40.00%
	Self study:	30h	60.00%

Content

Implementation of a small social network in the cloud.	Learning time: 20h Theory classes: 20h

Description:
This seminar will implement a small social network servers Amazon Web Services (AWS). servers on the network will be used to create web pages and manage databases on the social network. In addition the information structure of the social network will be adapted to the structure of AWS.

Related activities:
Practical activities with a computer. Groups of two students.

Specific objectives:
Understand how systems hosted in the cloud work , how to manage a small database, the web interface implementation and administration of a Unix. system.

Qualification system

Performance of the implemented network, 100% of the marks

Regulations for carrying out activities

Network implementation

Bibliography

Others resources:
Lab with computers with internet connexion