30211 - Computer Networks

Información del Plan Docente

Academic Year	2016/17
Academic center	110 - Escuela de Ingeniería y Arquitectura 326 - Escuela Universitaria Politécnica de Teruel
Degree	439 - Bachelor's Degree in Informatics Engineering 443 - Bachelor's Degree in Informatics Engineering
ECTS	6.0
Course	2
Period	First semester
Subject Type	Compulsory
Module	---

1.Basic info

1.1.Recommendations to take this course

1.2.Activities and key dates for the course

2.Initiation

2.1.Learning outcomes that define the subject

2.2.Introduction

3.Context and competences

3.1.Goals

3.2.Context and meaning of the subject in the degree

3.3.Competences

3.4.Importance of learning outcomes

4.Evaluation

5.Activities and resources

5.1.General methodological presentation

In the School of Engineering and Architecture Campus Rio Ebro:

classroom activities

Activity Type 1 (lectures) 30 hours

Activity Type 2 (class of problems) 15 hours
Activity Type 3 (practical classes) 15 hours

Non-presential activities

Activity Type 6 (practical work) 12 hours
Activity type 7 74 hours (personal study)

Final evaluation Activity

Activity Type 8 (written test) 04 hours

In the Polytechnic School Campus Teruel:

classroom activities

Activity Type 1 (lectures) 30 hours
Activity Type 2 (class of problems) 16 hours
Activity Type 3 (practical classes) 14 hours

Non-presential activities

Activity Type 6 (practical work) 08 hours
Activity type 7 79 hours (personal study)

Final evaluation Activity

Activity Type 8 (written test) 03 hours

5.2.Learning activities

Activity Type 1 (lectures): 30 hours

- Teach the course syllabus

In the School of Engineering and Architecture Campus Rio Ebro:

In the Polytechnic School Campus Teruel:

In the School of Engineering and Architecture Campus Rio Ebro:
Activity Type 2 (class of problems): *15 hours*

- Solve problems concerning the content of the lectures.

Activity Type 3 (practical classes): *15 hours*

- 6 sessions of practical laboratory network.

Activities type 6 (practical work): *12 hours*

- The student will do practical work based programming network applications.

In the Polytechnic School Campus Teruel:

Activity Type 2 (kinds of problems): *16 hours*

- Solve problems concerning the content of the lectures.

Activity Type 3 (practical classes): *14 hours*

- 7 sessions of practical laboratory network.

Activities type 6 (practical work): *08 hours*

- The student will do practical work based programming network applications.

5.3.Program
- Introduce the idea of ​​network architecture
- Basic physical principles that underpin
- Elements that provide point-to-point communication between two entities
- Networking and IP protocol
- Communication elements that provide end-to-end between two entities
- Orthogonal aspects such as congestion and quality of service
- Conceptual layers above the level of data transport

5.4.Planning and scheduling

In the School of Engineering and Architecture Campus Rio Ebro:

During the 15 weeks (3 hours / week):

- Development of master classes
- Development sorts of problems

During the 15 weeks (every other week, 2 hours / 2 weeks)

- Development laboratory practice sessions

Also, in specific weeks:

- Supervising practical work

In the School of Engineering and Architecture Campus Rio Ebro:

In the Polytechnic School Campus Teruel:

In the Polytechnic School Campus Teruel:

The course is given for 15 weeks with the following distribution of activities:

During the 15 weeks (3 hours / week):

- Development of master classes
- Development sorts of problems

During the 15 weeks (every other week, 2 hours / 2 weeks)

- Development laboratory practice sessions. They must be submitted in writing the results of each practice. If delivered after the date set the highest score to get in practice will be: 7 points (three days later), 5 points (four to seven days later). After a week delivery will not be accepted.

5.5.Bibliography and recomended resources