

30351 - Network Management

Información del Plan Docente

Academic Year	2016/17
Academic center	110 - Escuela de Ingeniería y Arquitectura
Degree	438 - Bachelor's Degree in Telecommunications Technology and Services Engineering
ECTS	6.0
Course	
Period	Second semester
Subject Type	
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

5.2.Learning activities

5.3.Program

The program offered to the students to cope with the learning results encompasses the following activities

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Theoretical sessions which main content is organized in the following units:

Block A. Introduction

A.1 Global vision and introduction

A.2 Standards and fundamental models

Block B. SNMP based Management

B.1 ASN.1 Language

B.2. SNMPv1 architecture

B.3 SNMPv2 architecture

B.4 Remote Monitoring (RMON)

Block C. NETCONF based Management

C.1 Introduction to NETCONF

C.2 Introduction to XML

C3 NETCONF

C4 YANG Data Modelling Language

Laboratory sessions that aim to develop the techniques explained in the theoretical sessions. Laboratory classes are organized into 12 sessions of 2 hours per session. Students will prepare a pre-class study when necessary. At the end of the session the student will be questioned about the practice in order to demonstrate the acquired skills during the practical sessions.

5.4.Planning and scheduling

5.5.Bibliography and recommended resources