Course guides
13181 - GSNXG - Service Management in New-Generation Networks

Unit in charge: Barcelona School of Telecommunications Engineering
Teaching unit: 744 - ENTEL - Department of Network Engineering.

Degree: MASTER'S DEGREE IN NETWORK ENGINEERING (Syllabus 2009). (Optional subject).
ERASMUS MUNDUS MASTER'S DEGREE IN PHOTONICS ENGINEERING, NANOPHOTONICS AND BIOPHOTONICS (Syllabus 2010). (Optional subject).
MASTER'S DEGREE IN NETWORK ENGINEERING (Syllabus 2006). (Optional subject).

Academic year: 2015 ECTS Credits: 2.5 Languages: English

LECTURER

Coordinating lecturer: Prof. Joan Serrat - JUAN SERRAT FERNANDEZ
Others: Dr. Thomas Schaaf

PRIOR SKILLS

None specific in addition to the generic capabilities required for this Master

REQUIREMENTS

The generic ones for the Master

TEACHING METHODOLOGY

Active learning will be promoted. This means that lecture time will not devoted entirely to conventional lectures but to open discussions among the course participants moderated by the lecturer. For each of the subjects, the lecturer will introduce the topic and assign homework activities to the students, which will prepare this topics alone or in groups of a few people to be competent during their interventions. These interventions will consist of a presentation and an open discussion with the professor and the other participants.

The different topics that will be visited will be treated as much possible from a practical perspective point of view. This means that students will have to learn how to use software tools to solve particular problems

LEARNING OBJECTIVES OF THE SUBJECT

- To understand the different levels of abstraction in knowledge and data modelling
- To know how to use the modelled knowledge in network and service management problems
- To understand the basis of enabling technologies of Autonomic Management
- To understand the business processes and complementary frameworks driving the planning, design, deployment and operation of Information and Telecommunication services

CONTENTS

(ENG) Management Information Bases. SMI and SMIPv2
GRADING SYSTEM

Student’s participation and knowledge will be continuously qualified. In addition there will be a control around the middle of the course and a final exam. The control and the final exam, both written examinations, will weight 60% of the final grade and will be intended to rank the individual capacity of each student to face problems within the scope of that matter.

EXAMINATION RULES.

To be specified in-situ