Course guides

32148 - AXCP - Evaluation of Packet Switched Networks

Unit in charge: Barcelona School of Telecommunications Engineering
Teaching unit: 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: MONICA AGUILAR IGARTUA
Others: MONICA AGUILAR IGARTUA
Esteve Pallarès Segarra
Isabel Martin Faus

PRIOR SKILLS

General knowledge about communication networks: Internet protocols, mechanisms and algorithms implemented in communication networks. Basic knowledge about Markov processes.

TEACHING METHODOLOGY

This course includes lectures, discussion, exercises and practices in the laboratory.

LEARNING OBJECTIVES OF THE SUBJECT

Review of the main concepts about Quality of Service on communication networks.
Evaluate a packet switched network using a fluid flow model with On-Off sources.
Evaluate multimedia services using Reward Markov Chains.

CONTENTS

-Review of the main concepts about Quality of Service on communication networks.
-Evaluation of multimedia services using Reward Markov Chains
GRADING SYSTEM

40% exposition and discussion in class
40% exercises
20% practices