Course guides
32060 - FOPT - Fourier Optics

Unit in charge: Barcelona School of Telecommunications Engineering
Teaching unit: 731 - OO - Department of Optics and Optometry.

Degree: Academic year: 2015 ECTS Credits: 5.0
Languages: English

LECTURER

Coordinating lecturer: JUAN CAMPOS

Others: SALVADOR BOSCH
M. SAGRARIO MILLAN GARCIA-VARELA

TEACHING METHODOLOGY

Presencial teaching + activities

LEARNING OBJECTIVES OF THE SUBJECT

This course intends to convey the importance of Fourier techniques for the rigorous analysis of optical systems, its general scope encompassing both fundamental as well as practical topics. These tools are derived from diffraction theory and provide an account of optical phenomena in a language close to that used in the communication and information sciences.

CONTENTS

- INTRODUCTORY BLOCK: 1. Introduction. 2. Fourier transforms.


GRADING SYSTEM

The students will be evaluated through both a final written examination and continuous evaluation based on a set of regular activities in the classroom, such as individual problem solving or computer lab exercises.
EXAMINATION RULES.

The usual in University teaching

BIBLIOGRAPHY

Basic: