

Información del Plan Docente

Academic Year	2017/18
Faculty / School	110 - Escuela de Ingeniería y Arquitectura
Degree	439 - Bachelor's Degree in Informatics Engineering
ECTS	6.0
Year	4
Semester	Indeterminate
Subject Type	Compulsory
Module	---

1.General information**1.1.Introduction****1.2.Recommendations to take this course****1.3.Context and importance of this course in the degree****1.4.Activities and key dates****2.Learning goals****2.1.Learning goals****2.2.Importance of learning goals****3.Aims of the course and competences****3.1.Aims of the course****3.2.Competences****4.Assessment (1st and 2nd call)****4.1.Assessment tasks (description of tasks, marking system and assessment criteria)****5.Methodology, learning tasks, syllabus and resources****5.1.Methodological overview**

1. Regular classes imparted by the professors
2. Development of the works proposed by the professors; these will be made by the students, guided by the professors
3. Group presentations of the works, plus oral exam

5.2.Learning tasks

30234 - Graphic IT

During class, professors will introduce the theoretical aspects of the course, and solve questions that may arise.

In the lab sessions, the students will be able to work on their assignments, which will be part of the final grade

5.3.Syllabus

1. Computer Graphics

- Intro
- Geometric modeling
- Visual modeling
- Rendering algorithms: local illumination
- Rendering algorithms: global illumination

2. Computational Imaging

- Intro
- Lightfields
- Computational displays
- Latest advances

5.4.Course planning and calendar

The definite calendar including classes, lab sessions, exams etc will be announced with sufficient anticipation

1. Computer Graphics (27 hours, 9 weeks)

2. Computational Imaging (18 hours, 6 weeks)

3. Lab and proposed works (15 hours)

5.5. Bibliography and recommended resources

No bibliography is needed