Year : 2018/19

30263 - Computer Vision

Syllabus Information

Academic Year:	2018/19
Subject:	30263 - Computer Vision
Faculty / School:	110 -
Degree:	439 - Bachelor's Degree in Informatics Engineering
ECTS:	6.0
Year:	4
Semester:	Second semester
Subject Type:	
Module:	---

General information

Aims of the course

Context and importance of this course in the degree

Recommendations to take this course

Learning goals

Competences

Learning goals

Importance of learning goals

Assessment (1st and 2nd call)

Assessment tasks (description of tasks, marking system and assessment criteria)

Methodology, learning tasks, syllabus and resources

Methodological overview

Learning tasks

Syllabus

- Image formation and acquisition

- Colour models
- Basic image processing
- 2D image recognition
- Morfology
- Contour detection
- Feature detection
- Feature based recognition
- 3D Vision

Course planning and calendar

Bibliography and recommended resources

[BB: Bibliografía básica / BC: Bibliografía complementaria]

- [BB] 1. Szeliski, Richard. Computer vision : algorithms and applications / Richard Szeliski London : Springer, cop. 2011
- [BB] 2. Forsyth, David A.. Computer vision : a modern approach / David A. Forsyth, Jean Ponce . - 2nd ed. Upper Saddle River : Prentice Hall, 2012
- [BB] 4. Bradski, G. Learning OpenCV: Computer Vision with the OpenCV Library / G. Bradski and A. Kaehler O'Reilly Media, Inc. 2008.
- [BB] González, Rafael C.. Digital image processing / Rafel C. González, Richard E. Woods. . 3rd ed. Upper Saddle River (New Jersey) : Pearson Prentice Hall, cop. 2010.

Listado de URL

- Transparencias y apuntes de la asignatura. Enunciados de prácticas [http://add.unizar.es]