

UE Computer vision



Level
Baccalaureate
+5



ECTS
6 credits



Component
UFR IM2AG
(informatique,
mathématiques
et
mathématiques
appliquées)



Semester
Automne

- > **Teaching language(s):** English
- > **Teaching method:** In person
- > **Teaching type:** Lectures
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** GBX9MO34
- > **Personal working time for the student:** 36

Presentation

Description

This course provides an introduction to computer vision. It concerns techniques for constructing systems that observe and recognize objects, scenes and activities. It provides training in tools and techniques and models for: the image formation process, color and illumination, image signal processing, multi-scale image description, image analysis, object detection, recognition and tracking, motion capture, modeling and understanding, image matching, multi-camera systems, and 3D reconstruction and modeling.

Course parts

Lectures

Lectures (CM)

36h

Recommended prerequisites

Basic linear algebra, probability and statistics

Period : Semester 9

Useful info

Contacts

Program director

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Place

› Grenoble

Campus

› Grenoble - University campus