COURSE DETAIL

INTRODUCTION TO IMAGE PROCESSING
Country France
Host Institution University of Bordeaux
Program(s) University of Bordeaux
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 120
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO IMAGE PROCESSING
UCEAP Transcript Title IMAGE PROCESSING
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course is an introduction to digital image processing and analysis. Students benefit from an overview of image processing methods (histogram restauration, convolution filters, mathematical morphology, segmentation) and image analysis methods (pattern recognition, identification, etc.). During the course students: learn how to manage 2D, 3D, and animated images; understand human perception and image acquisition; discover image segmentation, registration, and analysis; concrete implementation through existing tools or simple script development; study algorithms to obtain features from images (histogram, filters, descriptors).

Language(s) of Instruction
English

Host Institution Course Number
4TTV414U

Host Institution Course Title
INTRODUCTION TO IMAGE PROCESSING

Host Institution Course Details

Host Institution Campus
UNIVERSITÉ DE BORDEAUX

Host Institution Faculty
Collège des Sciences et Techniques

Host Institution Degree

Host Institution Department
Informatique

Course Last Reviewed
2021-2022

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