

<b>Course Title:</b> Computer Vision	
<b>Institute/Division:</b>	Department of Automation and Computer Engineering Faculty of Electrical and Computer Engineering
<b>Course code:</b>	E-CV
<b>Erasmus subject code:</b>	0610 Information and Communication Technologies (ICTs)
<b>Number of contact hours:</b>	45
<b>Course duration:</b>	1 semester (Spring/Summer)
<b>ECTS credits:</b>	6
<b>Course description:</b>	The course aims to introduce students to the fundamental concepts and techniques of computer vision. It covers both classical algorithms for image processing and modern machine learning-based approaches for visual recognition. The knowledge gained will allow students to understand image formation, feature extraction, object detection, and the principles of applying deep learning in computer vision systems. By the end of the course, students will be capable of building practical vision pipelines.
<b>Course type:</b>	Lectures (10h), Computer laboratory (25h), Project (10h)
<b>Literature:</b>	R. Szeliski, "Computer Vision: Algorithms and Applications", Springer, 2022. R. Shilkrot, D. M. Escrivá, "Mastering OpenCV 4. A comprehensive guide to building computer vision and image processing applications with C++ - Third Edition", Packt Publishing, 2018.
<b>Assessment method:</b>	Laboratory exercises and project
<b>Prerequisites:</b>	Any programming language (preferably Python or C++).
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