

Course Title:	AutoCAD Modeling
Institute/Division:	Department of Automation and Computer Engineering Faculty of Electrical and Computer Engineering
Course code:	E-ACM
Erasmus subject code:	0610 Information and Communication Technologies (ICTs)
Number of contact hours:	45
Course duration:	1 semester (Fall/Winter)
ECTS credits:	6
Course description:	<p>The subject aims to familiarize students with the use of AutoCAD in supporting engineering work. The course will include the following topics:</p> <ul style="list-style-type: none">• creating vector drawings,• creating 2D viewports,• creating 3D diagrams on a 2D viewport,• creating 3D diagrams on a 3D viewport,• principles of creating projects in 3D,• using additional software functions to automate design work,• creating your own symbol libraries,• linking AutoCAD diagrams with product databases, <p>After completing the course, students should be able to create a simple 3D project along with linking the project to the database of commercial objects used in the project.</p>
Course type:	Lectures (20h), Computer laboratory (20h), Project (5h)
Literature:	Shawna Lockhart, James Leach: <i>AutoCAD 2025 Instructor: A Student Guide for In-Depth Coverage of AutoCAD's Commands and Features</i> , SDC Publications 2024 Dean Muccio, <i>AutoCAD 2025 for the Interior Designer: AutoCAD for Mac and PC</i> , SDC Publications 2024
Assessment method:	Laboratory exercises and project
Prerequisites:	Any programming language
Contact Person:	Marcin Pawlik, PhD Eng., marcin.pawlik@pk.edu.pl