

SUBJECT:	Engineering Graphics		
HOURS:	15/15	ECTS:	2
semester	1	Academic year	1

Name/title of the author:	Marta Gollinger –Tarajko/ Associate Professor Marcin Paprocki / MSc Konrad Zaręba / MSc
Course Description:	Simple drawings carrying out in orthogonal projection, using traditional method and with AutoCAD program. Technical drawings reading
Learning Outcomes (Goals and Objectives of the course):	Technical drawings reading, simple drawings carrying out in orthogonal projection, using traditional method and with AutoCAD program.
Entrance qualifications:	Some technical knowledge.
Course Content:	Engineering graphics for product determination engineer. Drawings classification, drawings case history. Drawing lines and their application, design scale, drawing sheet, drawing types (engineering drawing, working drawing, patent drawing, tender drawing, catalog drawing, advertising drawing). Orthogonal projection of: point, line segment, linear figure, three-dimensional solids. Sections and revolved and removed sections. Dimensioning principles, serial, parallel and mixed dimensioning. Dimensional tolerance, machine elements fit. Surface quality – roughness. Joints in machine building (separable and inseparable), simplifications. Sketch execution, solid orthogonal projection freehand drawings. Drawings execution using AutoCAD program.
Assessment policy (examination):	Lectures and exercises attested credit
Course materials/bibliography:	Dobrzański K., Rysunek techniczny maszynowy, PWN, 2002
Methods of Instruction:	Lectures, laboratory exercises
Notes / suggestions:	