UNIVERSITY OF WARMIA AND MAZURY
Faculty of Agriculture and Forestry

01S1-GRAFIN **ENGINEERING GRAPHICS** **ECTS: 1.0**

HOURS PER SEMESTER/WEEK: LECTURES: 0/0; CLASSES: 20/2
FIELD OF THE STUDY: Agriculture
Level of study: First-cycle (Engineer's degree) program

Course status: obligatory *
Year of the study: IV

COURSE CONTENTS
LECTURES: -

CLASSES: Introduction to AutoCAD. Orthographic projection. Orthographic projection and sections. Axonometric projection. Dimensioning.

EDUCATIONAL PURPOSE: The aim of education is to acquire knowledge and skills in the field of geometric basis of technical drawing, normative forms of graphical notation (projection, drawing sections, dimensioning), working with CAD (Computer Aided Design) software.

LEARNING OUTCOMES
Knowledge. Knows geometric methods of representing spatial objects.
Skills. Uses normative forms of graphic notation. Computer-aided design (CAD) usage. Designs in orthographic and axonometric projections.
Social competences. Agrees with the need for constant updating of knowledge regarding progressive changes in CAD software and other graphic tools used in design work.

TEACHING FORMS AND METHODS
Lectures. -
Classes. Computer classes

FORM AND CONDITIONS FOR VERIFICATION OF LEARNING OUTCOMES
Lectures. -
Classes. Passing reports from laboratory classes and written tests - credit with a grade

BASIC LITERATURE
1) Elliot Gindis, 2021. Up and running with AutoCAD 2021: 2D and 3D Drawing and Modeling. Academic Press. 2) Frederick E. Giesecke et al., 2016. Technical Drawing with Engineering Graphics (15th Edition). Pearson Prentice Hall.

ADDITIONAL LITERATURE
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THE TEACHER/TEACHERS CONDUCTING THE CLASSES:
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* note: optional course availability depends on Polish students' choice!