

01S1-GRAFIN

ENGINEERING GRAPHICS

ECTS: 1.0

HOURS PER SEMESTER/WEEK: LECTURES: -/-; CLASSES: 20/2

COURSE CONTENTS

LECTURES: -

CLASSES: Introduction to AutoCAD. Rectangular projection. Rectangular projection of the cross 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 rectangular 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/S CONDUCTING THE CLASSES:

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