

Title <b>(Engineering Graphics)</b>	Code <b>1010701321010720557</b>
Field <b>Environmental Protection Technologies</b>	Year / Semester <b>1 / 2</b>
Specialty -	Course <b>core</b>
Hours Lectures: - Classes: - Laboratory: - Projects / seminars: <b>3</b>	Number of credits <b>5</b>
	Language <b>polish</b>

**Lecturer:**

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**Status of the course in the study program:**

-Engineering Graphics

**Assumptions and objectives of the course:**

-The student should obtain knowledge of engineering drawing, chemical equipment and drawings of chemical engineering Projects.

**Contents of the course (course description):**

-In the course Engineering Graphics students acquaint oneself with the bases of engineering drawing like standard elements of engineering drawing, geometrical constructions, orthogonal and axonometric Projection, views and sections, dimensioning and tolerancing of dimensions, drawings of joints, axles, shafts and seals, and also with workshop and assembly drawings. Within the chemical equipment drawings knowledge concerning both typical elements of chemical equipment like cylinders, covers, bottoms, connectors, scuttles, sight-glasses, mixer arms, etc. and select chemical equipment as a whole is introduced. There are also introduced some elements of drawings of chemical engineering technological documentation. It is made with the help of exemplary processes related directly to the environmental protection.

**Introductory courses and the required pre-knowledge:**

- basic course

**Courses form and teaching methods:**

-Drawing exercises and preparing of engineering technological documentation with the help of computer aided design (CAD) programmes.

**Form and terms of complete the course - requirements and assessment methods:**

-Final mark is established on the base of marks obtained within the classes and the quality of the produced Project.

**Basic Bibliography:**

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**Additional Bibliography:**

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