

Title <b>Basis of Engineering Graphics</b>	Code <b>10102514110102102005</b>
Field <b>Management and Production Engineering</b>	Year / Semester <b>1 / 1</b>
Specialty -	Course <b>core</b>
Hours Lectures: <b>1</b> Classes: <b>2</b> Laboratory: -    Projects / seminars: -	Number of credits <b>4</b>
	Language <b>polish</b>

**Lecturer:**

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

- The field course

**Assumptions and objectives of the course:**

- Study in the range: selected problems of Euclidean geometry, conic sections, a plane, surfaces, solids of revolution, plane sections, intersection of surfaces, development of surfaces.

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

- Introduction: typical drawing sheets, definitions of Euclidean geometry, sections of cone of revolution: an ellipse, a parabola, a hyperbola. Plane sections of solids: a prism, a regular pyramid, a cone, a sphere, a torus. Line of intersections of solids: two circular cylinders, a regular prism and a cone, a prism and a circular cylinder, a prism and a sphere, a circular cylinder and a cone, a circular cylinder and a torus. Development of surfaces: a prism, a cone.

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

- Elementary geometry: a point, a line, a plane and a surface.

**Courses form and teaching methods:**

- Lectures and classes.

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

- Examination

**Basic Bibliography:**

**Additional Bibliography:**