

Title <b>(Geometria wykreślna)</b>	Code <b>1010101111010340010</b>
Field <b>Civil Engineering First-cycle Studies</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>3</b>
	Language <b>polish</b>

**Lecturer:**

dr Czesław Prętki, Instytut Matematyki Politechniki Poznańskiej,  
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**Faculty:**

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

Obligatory course for students, of all branches of Civil Engineering. Extramural studies.

**Assumptions and objectives of the course:**

To teach simple three-view orthographic projections. Creation of three-dimensional imagination.  
Training of students in precise drawing.

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

Orthographic projections on two mutual projective planes. Rotations. Constructions of float roofs.  
Sections and developments of polyhedrons. Intersection of polyhedrons. Constructions of conics.  
Cylinder and cone surfaces. Drawing conoid and quadrics. Axonometric projection. Horizontal projection.

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

A basic knowledge on elementary geometry and solid geometry.

**Courses form and teaching methods:**

The lecture illustrated by drawings on the table. Exercises in groups.

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

Tests and projects.

**Basic Bibliography:**

**Additional Bibliography:**