

Title (Geometria wykreślna)	Code 1010104111010340643
Field Civil Engineering Extramural First-cycle Studies	Year / Semester 1 / 1
Specialty -	Course core
Hours Lectures: 3 Classes: 16 Laboratory: - Projects / seminars: -	Number of credits 3
	Language polish

Lecturer:

dr Czesław Prętki, Instytut Matematyki Politechniki Poznańskiej,
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Faculty:

Faculty of Civil and Environmental Engineering
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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: