

Subject name	Descriptive geometry	code	M140
Degree of studies	I		
form of studies	full time studies		
field of studies	MiBM/MTR/IPEH		
type of subject	obligatory		
speciality	all		
form of studies	15Lectures, 15Project		

Prowadzący: **Robert Zalewski PhD, DSc.**

A brief outline:

Lecture	<ol style="list-style-type: none"> 1. Principles and methods of projection. Projections of points, lines and planes. 2. The relative position of the elements of space. Basic constructions. 3. Basics relates: point on a line; point and a line on a plane. 4. Common elements: a common point of two lines, line and plane, two planes edge. 5. Parallel elements: straight and parallel planes, a line parallel to the plane. 6. Orthogonal components: straight and perpendicular planes, line perpendicular to a plane. 7. Determination of true lengths in a space. 8. Construction of rabatment of lines: rabatment of a line. 9. Finding an Edge view of a lamina (inclined and oblique). 10. Surfaces: Surface projections, a point on a surface. 11. Points Breakdown and Cutsolids - conics. 12. The penetration of surfaces: the method of planes, spheres method.
---------	---

Project	<ol style="list-style-type: none"> 1. Basics relates 2. Common elements 3. Parallel and perpendicular elements 4. Rabatment of lines and planes 5. Penetration of surfaces
---------	---