

Title <b>(Konstrukcje metalowe)</b>	Code <b>1010124161010110079</b>
Field <b>Civil Engineering Extramural First-cycle Studies</b>	Year / Semester <b>3 / 6</b>
Specialty <b>Transportation Engineering</b>	Course <b>core</b>
Hours Lectures: <b>8</b> Classes: <b>8</b> Laboratory: -    Projects / seminars: <b>8</b>	Number of credits <b>3</b>
	Language <b>polish</b>

**Lecturer:**

-Dr. Eng. Katarzyna Rzeszut  
Institute of Structural Engineering  
tel. 061 665 2096  
e-mail: katarzyna.rzeszut@put.poznan.pl

**Faculty:**

Faculty of Civil and Environmental Engineering  
ul. Piotrowo 5  
60-965 Poznań  
tel. (061) 665-2413, fax. (061) 665-2444  
e-mail: office\_dceef@put.poznan.pl

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

-Civil Engineering extramural studies first-cycle studies  
Specialty Transportation Engineering, Course core.

**Assumptions and objectives of the course:**

-To instruct design and dimensioning of simple elements ? beams, columns, truss elements.

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

Theoretical basis of design and dimensioning of bending elements, compression, eccentrically compression, tension. Overall and local stability, design of trusses elements. Bracing of one-storey buildings.

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

-Basic knowledge of structure mechanic and strength of material and former information from previous course of Metal Structures.

**Courses form and teaching methods:**

-Lectures illustrated by slides, design of steel elements of steel ? concrete floor.

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

-Examination, project, test.

**Basic Bibliography:**

**Additional Bibliography:**