Year / Semester

Number of credits

1010102111010100232

<u>1/1</u>

core

Code

Course

(Structural Analysis)

Civil Engineering II stopień

Title

Field

Specialty

Hours		Number of credits
Lectures:	2 Classes: 1 Laboratory: - Projects / seminars: 1	4
		Language
		polish
Lecturer:		
	dr hab. inż. Przemysław Litewka Instytut Konstrukcji Budowlanych, 60-965 Poznań, ul. Piotro przemyslaw.litewka@put.poznan.pl	owo 5, tel. 061-6652454,
Faculty:		
-	Faculty of Civil and Environmental Engineering ul. Piotrowo 5	
	60-965 Poznań tel. (061) 665-2413, fax. (061) 665-2444 e-mail: office_dceeaf@put.poznan.pl	
	ne course in the study program: tory course for students of 2. Degree Civil Engineering studies	
Preser	ns and objectives of the course: ntation of matrix methods for analysis of statics and stability o tions of analysis of space girders by FEM and BEM.	f bar structures and the
	f the course (course description): version of the stiffness method. Bending of plane frames with	large axial forces. Initial

Courses form and teaching methods:

Lectures, example classes, projects

boundary element method. Cable structures.

Introductory courses and the required pre-knowledge:

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

stability of frames by the matrix method. Finite strip method for the analysis of plates. Analysis of boundary distrubances in the membrane state of forces for shells of revolution. Foundations of the

Knowledge from the subjects: Strength of Materials and Structural Mechanics from the 1. Degree

Tests, exercises, examination

Basic Bibliography:

studies.

Additional Bibliography: