

Nazwa w jęz. angielskim: Structural Mechanics II
Nazwa w języku polskim: Mechanika Budowli II

**Dane dotyczące zajęć:
Information on course:**

Jednostka oferująca: Wydział Budownictwa // dr hab. inż. Ryszard Walentyński, prof. PŚ
Course offered by: Faculty of Civil Engineering // dr hab. inż. Ryszard Walentyński, prof. PŚ

Język wykładowy:
angielski
Language:
English
Strona WWW: Course homepage:
Skrócony opis:
Short description:
Structural Analysis of statically indeterminate structures.
Opis:
Description:
Lectures, Classes, Project: Statically indeterminate structures. Force method. Displacement method (classical, iterative, matrix). Introduction to limit load capacity. Laboratory: Getting skills on selected programs of structural analysis.
Number of hours of classes with direct participation of academic teachers or other persons teaching courses and students.
Contact hours Lecture: 30h Classes 2h Project 18h Laboratory 10h Number of ECTS credits: 4
Literatura:
Bibliography:
Ghali et al.: „Structural Analysis: The Unified Classical and Matrix Approach”. Taylor & Francis Karnowski and O. Lebed: „Advanced Methods of Structural Analysis”. Springer C.H. Norris and J.B. Wilbur: „Elementary Structural Analysis”. McGraw Hill
Efekty uczenia się:
Learning outcomes:
have skills in selected computer programs of structural analysis and solving statically indeterminate structures (internal forces and displacements) basics of limit load capacity [K1A_U04, K1A_U11], have social competencies in responsibility for accuracy of the work results and their interpretation ability to work on the given task autonomically and cooperate in a team [K1A_K01]
Metody i kryteria oceniania:

Assessment methods and assessment criteria:
Report of projects and laboratory 40%
Colloquium 40%
Tests 20%

Przynależność do grup przedmiotów w cyklach:
Element of course groups in various terms:

Opis grupy przedmiotów Course group description	Cykl pocz. First term	Cykl kon. Last term
przedmioty obieralne studia stacjonarne stopień studiów – dowolny kierunek studiów – dowolny, semestr dowolny elective courses full-time degree - any field of study - any semester - any	2024/2025	