

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

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:
Basics of the dynamics of structures
Opis:
Description:
The aim of the course is learning of the principles of dynamic analysis of discrete systems. Lectures, Classes, Project: Dynamics of structures. 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: 10h Classes 2h Project 13h Laboratory 5h Number of ECTS credits: 3
Literatura:
Bibliography:
Chopra A.K. Dynamics of Structures, Pearson 6th ed. 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:
The student knows: principles of dynamics of structures, K1A_W05, K1A_W04 have skills in: • selected computer programs of structural analysis • finding dynamic characteristics of dynamic systems, 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 the dynamic analysis of a discrete system. 67% Final quiz. 33%

**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 i niestacjonarne stopień studiów – dowolny kierunek studiów – dowolny, semestr dowolny	2024/2025	