

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>(-)</b>		Code <b>1010102131010113762</b>
Field of study <b>Structural Engineering Second-cycle Studies</b>	Profile of study (general academic, practical) <b>general academic</b>	Year /Semester <b>2 / 3</b>
Elective path/specialty <b>-</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>obligatory</b>
Cycle of study: <b>Second-cycle studies</b>	Form of study (full-time, part-time) <b>full-time</b>	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: <b>3</b>		No. of credits <b>5</b>
Status of the course in the study program (Basic, major, other) <b>other</b>		(university-wide, from another field) <b>university-wide</b>
Education areas and fields of science and art <b>technical sciences</b>		ECTS distribution (number and %) <b>5 100%</b>
<b>Responsible for subject / lecturer:</b>  dr inż. Tomasz Garbowski email: tomasz.garbowski@put.poznan.pl tel. 616652099 Wydział Budownictwa i Inżynierii Środowiska ul. Piotrowo 5 60-965 Poznań		
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	the student has the knowledge resulting from the scope of completed engineering studies
2	<b>Skills</b>	the student has the ability to perceive, to associate and interpret phenomena occurring in the university and its environment
3	<b>Social competencies</b>	the student is prepared to take on social responsibility for the study of the second stage of education
<b>Assumptions and objectives of the course:</b> Gaining awareness skills through reading the science and technical press, public presentation, knowledge and the results of their own work, participate in public discussion.		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. Knows the principles of analysis, design and dimensioning of building elements - [w02] 2. Knows classification and scope of computer aided programming - [w08] 3. Knows the technical design of buildings and their components - [w014]		
<b>Skills:</b>		
1. Can make the evaluation and ranking of any loads acting on buildings - [u01] 2. Can design elements and their connections in complex construction projects - [u03] 3. Can perform static and dynamic stability analysis of buildings - [u04] 4. Can define a computer model to analyze the structures - [u06, u13]		
<b>Social competencies:</b>		
1. Can - realizing certain zadania- work independently and work in a team - [k01] 2. Is responsible for the accuracy of the results of their work - [k02] 3. Owns complements and extends knowledge of modern processes and technologies - [k02]		
<b>Assessment methods of study outcomes</b>		
Method of preparation for the final exam is evaluated by the supervisor and the assessment shall be included in the index prior to the final exam.		

<b>Course description</b>		
Consistent with the thesis subject and fundamental knowledge in all subjects thought in all semesters.		
<b>Basic bibliography:</b>		
1. Standards 2. Textbooks		
<b>Additional bibliography:</b>		
1. Scientific and technical press		
<b>Result of average student's workload</b>		
<b>Activity</b>	<b>Time (working hours)</b>	
1. Exam preparation	3	
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	175	5
Contact hours	3	0
Practical activities	0	0