

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject (-)		Code 1010102131010113762
Field of study Civil Engineering Second-cycle Studies	Profile of study (general academic, practical) general academic	Year /Semester 2 / 3
Elective path/specialty -	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: Second-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: 0		No. of credits 5
Status of the course in the study program (Basic, major, other) other		(university-wide, from another field) university-wide
Education areas and fields of science and art		ECTS distribution (number and %)
Responsible for subject / lecturer:		
dr inż. Tomasz Garbowski email: tomasz.garbowski@put.poznan.pl tel. 616652099 Wydział Budownictwa i Inżynierii Środowiska ul. Piotrowo 5 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	the student has the knowledge resulting from the scope of completed engineering studies
2	Skills	the student has the ability to perceive, to associate and interpret phenomena occurring in the university and its environment
3	Social competencies	the student is prepared to take on social responsibility for the study of the second stage of education
Assumptions and objectives of the course:		
Gaining awareness skills through reading the science and technical press, public presentation, knowledge and the results of their own work, participate in public discussion.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
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]		
Skills:		
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]		
Social competencies:		
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]		
Assessment methods of study outcomes		
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.		

Course description		
Consistent with the thesis subject and fundamental knowledge in all subjects thought in all semesters.		
Basic bibliography:		
1. Standards 2. Textbooks		
Additional bibliography:		
1. Scientific and technical press		
Result of average student's workload		
Activity	Time (working hours)	
1. Exam preparation	125	
Student's workload		
Source of workload	hours	ECTS
Total workload	125	5
Contact hours	0	0
Practical activities	0	0