

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Diploma thesis preparation</b>		Code <b>1010115141010110974</b>
Field of study <b>Civil Engineering Extramural Second-cycle</b>	Profile of study (general academic, practical) <b>general academic</b>	Year /Semester <b>2 / 4</b>
Elective path/specialty <b>Structural Engineering</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>part-time</b>	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: <b>7</b>		No. of credits <b>10</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> <b>Technical sciences</b>		ECTS distribution (number and %) <b>10 100%</b> <b>100 100%</b>
<b>Responsible for subject / lecturer:</b>  dr hab. inż. Maciej Szumigala email: maciej.szumigala@put.poznan.pl tel. 061 665 2401 Faculty of Civil and Environmental Engineering ul. Piotrowo 5 60-965 Poznań		
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	Advanced knowledge of the strength of materials and mechanics of structures, metal structures, reinforced concrete structures, masonry structures, wood structures.
2	<b>Skills</b>	The ability to acquire information from all sources, prepare a full project documentation of various buildings.
3	<b>Social competencies</b>	Awareness of the need to broaden their skills and taking a major responsibility in their future careers.
<b>Assumptions and objectives of the course:</b> Gaining ability to broaden knowledge through reading the science and technology press, presentation of the acquired knowledge and the results of their own work in public, participation 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 elements of buildings - [K_W02] 2. Knows classification and scope of supporting computer programs .. - [K_W08] 3. Knows the technical conditions of designing buildings and their components - [K_W014]		
<b>Skills:</b>		
1. Can make the evaluation and ranking of any loads acting on buildings - [K_U01] 2. Can perform static, dynamic and stability analysis of buildings ..... - [K_U04] 3. Can design elements and their connections in complex construction projects - [K_U03] 4. Can define a computer model of the structure and analyze it ..... - [K_U06 K_U13]		
<b>Social competencies:</b>		
1. While realizing certain task can work independently and in a team - [K_K01] 2. Is responsible for the accuracy of the results of own work - [K_K02] 3. Complements and extends knowledge in the field of modern processes and technologies independently - [K_K03]		
<b>Assessment methods of study outcomes</b>		

The method of preparation of the graduate work (diploma thesis) is evaluated by the supervisor and the assessment shall be included in the grade transcript before the final exam.		
<b>Course description</b>		
Consistent with the theme of own graduate work (diploma thesis).		
<b>Basic bibliography:</b>		
1. Construction standards and guides and manuals construction and building		
<b>Additional bibliography:</b>		
1. Scientific - technical magazines		
<b>Result of average student's workload</b>		
<b>Activity</b>	<b>Time (working hours)</b>	
1. OWN WORK(Intependent) Preparation of thesis and scientific research	243	
2. Direct contacte/consultation with supervisor	7	
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	250	10
Contact hours	10	0
Practical activities	250	10