STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Preparation for diploma examination**		Code **1010115141010110975**
Field of study **Civil Engineering Extramural Second-cycle**	Profile of study (general academic, practical) **general academic**	Year /Semester **2 / 4**
Elective path/specialty **Structural Engineering**	Subject offered in: **Polish**	Course (compulsory, elective) **obligatory**
Cycle of study: **Second-cycle studies**	Form of study (full-time,part-time) **part-time**	
No. of hours Lecture: **-** Classes: **1** Laboratory: **-** Project/seminars: **-**		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 **technical sciences** **Technical sciences**		ECTS distribution (number and %) **5 100%** **5 100%**

Responsible for subject / lecturer:

dr hab. inż. Maciej Szumigała
email: maciej.szumigala@put.poznan.pl
tel. 061 665 2401
Faculty of Civil and Environmental Engineering
ul. Piotrowo 5 60-965 Poznań

Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Advanced knowledge of the strength of materials and mechanics of structures, metal structures, reinforced concrete structures, masonry structures, wood structures.
2	**Skills**	The ability to acquire information from all sources, prepare a full project documentation of various buildings.
3	**Social competencies**	Awareness of the need to broaden their skills and taking a major responsibility in their future careers.

Assumptions and objectives of the course:

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.

Study outcomes and reference to the educational results for a field of study

Knowledge:

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]

Skills:

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]

Social competencies:

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]

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 the grade transcript before the final exam.

Course description

Consistent with the theme of own graduate work (diploma thesis) and fundamental knowledge in all vocational subjects and all semesters.

Basic bibliography:

1. Construction standards and guides and manuals construction and building

Additional bibliography:

1. Scientific - technical magazines

Result of average student's workload

Activity	Time (working hours)

Student's workload

Source of workload	hours	ECTS
Total workload	125	5
Contact hours	2	0
Practical activities	0	0