STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Diploma Seminar**		Code **1010115141010110109**
Field of study **Civil Engineering Extramural Second-cycle**	Profile of study (general academic, practical) **(brak)**	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: **-** Laboratory: **-** Project/seminars: **12**		No. of credits **1**
Status of the course in the study program (Basic, major, other) **(brak)**	(university-wide, from another field) **(brak)**	
Education areas and fields of science and art		ECTS distribution (number and %)

Responsible for subject / lecturer:

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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

Receiving credit for seminar on the basis of:

- Assessment of the presentation on the technical topic,
- Assesment of presentation of own graduate work,
- Participation in the discussion

Course description

Reminding about general rules for carrying out the final exam and the preparation of a graduate work.

Searching for an interesting topic from scientific - technical literature and developing it by every student and presenting it in the form of public presentation.

Preparation and presentation of the presentation of own graduate work.

Participation in the public debate after the presentation of the results of their own work and the work of other graduates.

Teaching methods.

Form of seminar classes. Students prepare a presentation on the subject of the diploma thesis (or a related topic). The lecturer or the audience asks questions during the presentation. A discussion is recommended after the presentation. The form and content of the presentation as well as active participation in classes and discussions are evaluated.

Basic bibliography:

1. Technical Books in line with the theme of work
2. PN and EC

Additional bibliography:

1. Polish and European technical standards and construction

Result of average student's workload

Activity	Time (working hours)

Student's workload

Source of workload	hours	ECTS
Total workload	27	1
Contact hours	12	1
Practical activities	15	1