

| <b>STUDY MODULE DESCRIPTION FORM</b>  |   |  |
|---|---|--|
| Name of the module/subject<br><b>Diploma Seminar</b>  |   | Code<br><b>1010101171010110109</b>   |
| Field of study<br><b>Civil Engineering First-cycle Studies</b>  | Profile of study (general academic, practical)<br><b>(brak)</b> | Year /Semester<br><b>4 / 7</b>   |
| Elective path/specialty<br><b>-</b>   | Subject offered in:<br><b>Polish</b>                            | Course (compulsory, elective)<br><b>obligatory</b>   |
| Cycle of study:<br><b>First-cycle studies</b>   | Form of study (full-time, part-time)<br><b>full-time</b>        |  |
| No. of hours<br>Lecture: - Classes: - Laboratory: - Project/seminars: <b>15</b>   |   | No. of credits<br><b>1</b>   |
| Status of the course in the study program (Basic, major, other)<br><b>(brak)</b>  |   | (university-wide, from another field)<br><b>(brak)</b>   |
| Education areas and fields of science and art   |   | ECTS distribution (number and %)   |
| <b>Responsible for subject / lecturer:</b><br><br>dr hab. inż. Maciej Szumigala<br>email: maciej.szumigala@put.poznan.pl<br>tel. 061 665 2401<br>Faculty of Civil and Environmental Engineering<br>ul. Piotrowo 5 60-965 Poznań   |   |  |
| <b>Prerequisites in terms of knowledge, skills and social competencies:</b>   |   |  |
| 1   | <b>Knowledge</b>  | Basic knowledge of strength of materials and mechanics of structures, metal structures, reinforced concrete, masonry, wood.    |
| 2   | <b>Skills</b>   | The ability to acquire information from identified sources, preparation of project documentation uncomplicated simple objects. |
| 3   | <b>Social competencies</b>                                      | Awareness of the need to broaden their skills and making a major responsibility in their future careers.                       |
| <b>Assumptions and objectives of the course:</b><br>Gaining skills in the public presentation of the results of their own work, constructive participation in the public debate. Understanding the principles of preparing the thesis and its presentation (defense).   |   |  |
| <b>Study outcomes and reference to the educational results for a field of study</b>   |   |  |
| <b>Knowledge:</b><br>1. 1. Knows the standards and guidelines for the design of buildings and their components - [- [K_W06]]<br>2. 2. Knows the principles of designing and dimensioning of building construction elements - [- [K_W07]]<br>3. 3. Knows the principles of design and analysis of selected objects of general construction - [- [K_W09]]   |   |  |
| <b>Skills:</b><br>1. 1. Able to assess and make a statement of loads acting on buildings - [K_U02] - [- [K_U02]]<br>2. 2. Able to properly define computational models for computer analysis of the structure - [K_U03] - [- [K_U03]]<br>3. 3. Able to perform static analysis of rod-like structures. - [K_U03] - [- [K_U04]]<br>4. 4. Place the dimension the basic building blocks - [- [K_U08]] |   |  |
| <b>Social competencies:</b><br>1. 1. Able to work independently and collaborate as a team on a designated task - [-[K_K01]]<br>2. 2. He is responsible for the accuracy of the results of their work and their interpretation - [-[K_K02]]<br>3. 3. Isolated complements and extends knowledge in the field of modern processes and technologies - [-[K_K03]]                                       |   |  |
| <b>Assessment methods of study outcomes</b>   |   |  |
| Credit seminar based on:- The presentation of the evaluation set of technical topic (optional)- The presentation of the evaluation set their own thesis,- Participation in seminars and discussions   |   |  |

| <b>Course description</b>   |                             |             |
|---|-----------------------------|-------------|
| <p>Presentation of the general rules for carrying out the final exam and thesis preparation. Selected given subjects from literature and scientific - technical compiled by each student graduate student presented in the form of public presentation. Preparation and presentation of self-representation thesis. Acquiring the skills of public presentation of the results of their own work, their own opinion and view on a specific topic, participate in public discussion.</p> |                             |             |
| <p><b>Basic bibliography:</b></p> <ol style="list-style-type: none"> <li>1. Technical Books in line with the theme of work</li> <li>2. PN and EC</li> </ol>   |                             |             |
| <p><b>Additional bibliography:</b></p> <ol style="list-style-type: none"> <li>1. Polish and European technical standards and construction</li> </ol>  |                             |             |
| <b>Result of average student's workload</b>   |                             |             |
| <b>Activity</b>   | <b>Time (working hours)</b> |             |
| 1. 1. Seminar   | 15                          |             |
| 2. 2. Prepare a thematic presentation   | 10                          |             |
| 3. 3. Prepare to present their own diploma  | 5                           |             |
| <b>Student's workload</b>   |                             |             |
| <b>Source of workload</b>   | <b>hours</b>                | <b>ECTS</b> |
| Total workload  | 25                          | 1           |
| Contact hours   | 20                          | 1           |
| Practical activities  | 10                          | 0           |