| Name | | STUDY MODULE D | ESCRIPTION FORM | |
|--|---|--|---|---|
| Name of the module/subject Preparation of a diploma thesis with elements of scientific research Code 10101011710101 | | | | |
| Field o | f study | | Profile of study (general academic, practical) | Year /Semester |
| Civi | I Engineering Fire | st-cycle Studies | (brak) | 4/7 |
| Electiv | e path/specialty | - | Subject offered in: | Course (compulsory, elective) |
| | | - | Polish | obligatory |
| Cycle of study: First-cycle studies | | | Form of study (full-time,part-time) full-time | |
| | | | | |
| Lectu | ire: - Classes | s: 5 Laboratory: - | Project/seminars: | - 15 |
| Status | of the course in the study | program (Basic, major, other) | (university-wide, from another fie | |
| | | (brak) | | brak) |
| Educa | tion areas and fields of sci | ence and art | | ECTS distribution (number and %) |
| ul. | culty of Civil and Environ Piotrowo 5 60-965 Pozequisites in term | | d social compatancies: | |
| | Maranda I.a. | Basic knowledge (engineering le | evel) of the strength of materials | |
| 1 | Knowledge | | evel) of the strength of materials | |
| 1 | Knowledge Skills | Basic knowledge (engineering le | evel) of the strength of materials stures, reinforced concrete, mass | onry, wood. |
| | | Basic knowledge (engineering le building foundations, metal structure ability to acquire information | evel) of the strength of materials stures, reinforced concrete, mass | onry, wood. ation of project documentation |
| 2 | Skills Social competencies | Basic knowledge (engineering le building foundations, metal structure ability to acquire information uncomplicated simple objects. Awareness of the need to broad | evel) of the strength of materials stures, reinforced concrete, mass | onry, wood. ation of project documentation |
| 2 3 Ass i | Skills Social competencies amptions and objug practical skills in des | Basic knowledge (engineering le building foundations, metal structure) The ability to acquire information uncomplicated simple objects. Awareness of the need to broad careers. | evel) of the strength of materials stures, reinforced concrete, mass of from identified sources, preparent their skills and making a major. | ation of project documentation or responsibility in their future |
| 2 3 Assu Gainir | Skills Social competencies umptions and objug practical skills in design. | Basic knowledge (engineering le building foundations, metal structure) The ability to acquire information uncomplicated simple objects. Awareness of the need to broad careers. ectives of the course: | evel) of the strength of materials stures, reinforced concrete, mass of from identified sources, preparent their skills and making a major ea partial documentation of con | ation of project documentation or responsibility in their future struction and simple design of |
| 2 3 Assu Gainir buildir | Skills Social competencies umptions and objug practical skills in design. | Basic knowledge (engineering le building foundations, metal structure ability to acquire information uncomplicated simple objects. Awareness of the need to broad careers. ectives of the course: signing, dimensioning, and prepare | evel) of the strength of materials stures, reinforced concrete, mass of from identified sources, preparent their skills and making a major ea partial documentation of con | ation of project documentation or responsibility in their future struction and simple design of |
| 2 Assu Gainir buildir Known | Skills Social competencies umptions and objug practical skills in design. Study outco wledge: Knows the standards ar | Basic knowledge (engineering le building foundations, metal structure and careers. Awareness of the need to broad careers. ectives of the course: signing, dimensioning, and preparement and reference to the | evel) of the strength of materials stures, reinforced concrete, mass of from identified sources, preparent their skills and making a major a partial documentation of conceducational results for dings and their components - [| ation of project documentation or responsibility in their future struction and simple design of a field of study [K_W06]] |
| 2 Assu Gainir buildir Knov 1. 1. k 2. 2. k | Skills Social competencies Imptions and objug practical skills in desired. Study outco Wledge: Knows the standards ar Knows the principles of | Basic knowledge (engineering le building foundations, metal structure and the ability to acquire information uncomplicated simple objects. Awareness of the need to broad careers. Bectives of the course: Signing, dimensioning, and prepare and reference to the and guidelines for the design of build designing and dimensioning of build designing and dimensioning of build signing and dimensioning of build building signing and dimensioning of building signing sig | evel) of the strength of materials stures, reinforced concrete, mass of from identified sources, preparent their skills and making a major a partial documentation of conceducational results for dings and their components - [iliding construction elements - [| ation of project documentation or responsibility in their future struction and simple design of a field of study [K_W06]] [K_W07]] |
| 2 3 Assu Gainir buildir Know 1. 1. k 2. 2. k 3. 3. k | Skills Social competencies umptions and objug practical skills in desirg. Study outcowledge: Knows the standards ark (nows the principles of Knows the principles of Knows the principles of | Basic knowledge (engineering le building foundations, metal structure and careers. Awareness of the need to broad careers. ectives of the course: signing, dimensioning, and preparement and reference to the | evel) of the strength of materials stures, reinforced concrete, mass of from identified sources, preparent their skills and making a major a partial documentation of conceducational results for dings and their components - [iliding construction elements - [| ation of project documentation or responsibility in their future struction and simple design of a field of study [K_W06]] [K_W07]] |
| 2 Assu Gainir buildir Knov 1. 1. k 2. 2. k 3. 3. k Skill | Skills Social competencies amptions and objug practical skills in desing. Study outco wledge: Knows the standards ark (nows the principles of Knows the principles of St.) | Basic knowledge (engineering le building foundations, metal structure and careers. Awareness of the need to broad careers. ectives of the course: signing, dimensioning, and prepare and reference to the and guidelines for the design of build designing and dimensioning of build design and analysis of selected or sele | evel) of the strength of materials stures, reinforced concrete, mass of from identified sources, preparent their skills and making a major ea partial documentation of conceducational results for dings and their components - [idlding construction elements - [bjects of general construction - | ation of project documentation or responsibility in their future struction and simple design of a field of study [K_W06]] [K_W07] |
| 2 3 Assu Gainir buildir 1. 1. k 2. 2. k 3. 3. k Skill 1. 1. A | Skills Social competencies umptions and objug practical skills in design. Study outco wledge: Knows the standards ark (nows the principles of Knows the principles of St.) Able to assess and make | Basic knowledge (engineering le building foundations, metal structure and careers. Awareness of the need to broad careers. ectives of the course: signing, dimensioning, and prepare and guidelines for the design of build designing and dimensioning of build design and analysis of selected of the assistance as statement of loads acting on the suilding service as suilding s | evel) of the strength of materials stures, reinforced concrete, mass of from identified sources, preparent their skills and making a major ea partial documentation of conceducational results for dings and their components - [illding construction elements - [bjects of general construction - couldings - [[K_U02]] | ation of project documentation or responsibility in their future struction and simple design of a a field of study [K_W06]] [K_W07]] [[K_W09]] |
| 2 3 Assu Gainir buildir 1. 1. k 2. 2. k 3. 3. k Skill 1. 1. k 2. 2. k | Skills Social competencies umptions and objug practical skills in desing. Study outco wledge: Knows the standards ark (nows the principles of Knows the principles of Stable to assess and makable to properly define to | Basic knowledge (engineering le building foundations, metal structure and careers. Awareness of the need to broad careers. ectives of the course: signing, dimensioning, and prepare and reference to the and guidelines for the design of build designing and dimensioning of build design and analysis of selected or sele | evel) of the strength of materials stures, reinforced concrete, mass of from identified sources, preparent their skills and making a major ea partial documentation of conceducational results for dings and their components - [illding construction elements - [bjects of general construction - couldings - [[K_U02]] er analysis of the structure - [[K | ation of project documentation or responsibility in their future struction and simple design of a a field of study [K_W06]] [K_W07]] [[K_W09]] |

Social competencies:

- 1. 1. Able to work independently and collaborate as a team on a designated task $\,$ [- [K_K01]]
- 2. 2. He is responsible for the accuracy of the results of their work and their interpretation $-[-[K_K02]]$
- 3. 3. Isolated complements and extends knowledge in the field of modern processes and technologies [- [K_K03]]

Assessment methods of study outcomes

Faculty of Civil and Environmental Engineering

Completion of the course on the basis of:

- Assessment presented thesis,
- Regularity of its execution,
- Ability to solve technical problems.

Course description

Consistent with the theme of the thesis

Teaching methods.

A lively discussion with a graduate on current problems, explanations on a regular basis or providing sources in the subject literature.

Basic bibliography:

1. Technical Books in line with the theme of work

Additional bibliography:

1. . Polish and European technical standards and construction

Result of average student's workload

| Activity | Time (working hours) |
|--|----------------------|
| 1. OWN WORK(Intependent) Preparation of thesis and scientific research | 365 |
| 2. Direct contacte/consultation with supervisor | 5 |

Student's workload

| Source of workload | hours | ECTS |
|----------------------|-------|------|
| Total workload | 375 | 15 |
| Contact hours | 10 | 1 |
| Practical activities | 365 | 14 |