| | | STUDY MODULE DE | SCRIPTION FORM | |
|----------------------------------|--|---|---|--|
| | | | | |
| Field of s | | | Profile of study | 1010101211010134899 Year /Semester |
| | | eering First-cycle Studies | (general academic, practical) | |
| | path/specialty | leening First-cycle Studies | (brak) Subject offered in: | 1 / 1 Course (compulsory, elective) |
| Liective k | pair/specialty | - | Polish | obligatory |
| Cycle of | study: | 1 | Form of study (full-time,part-time) | |
| | First-cyc | le studies | full- | time |
| No. of ho | ours | | | No. of credits |
| Lecture | e: 15 Classes | s: - Laboratory: - | Project/seminars: | 15 4 |
| Status of | the course in the study | program (Basic, major, other) | (university-wide, from another f | ield) |
| | | (brak) | | (brak) |
| Educatio | n areas and fields of sci | ence and art | | ECTS distribution (number and %) |
| dr inż emai tel. 6 Facu | 2. Grzegorz Krzyżania I: grzegorz.krzyżania 16652034 Ilty of Civil and Enviro iotrowo 5 60-965 Poz | ak k@put.poznan.pl nmental Engineering | | |
| Prerec | quisites in term | s of knowledge, skills and | social competencies: | |
| | Knowledge | Principles of freehand drawing | | |
| 1 | Knowledge | Knowledge of a set of drawing ins | struments | |
| 2 | Skills | Sketch objects of different shapes and sizes while maintaining proper proportions Spatial imagination | | |
| 3 | Social | Awareness of the need to constar | ntly update and supplement kr | nowledge and skills |
| 0 | competencies | Able to share their skills with peop | ble in the group | |
| Assur | nptions and obj | ectives of the course: | | |
| | | ills of making schemes and drawing ving, structural technical drawing ar | | |
| | Study outco | mes and reference to the e | educational results for | a field of study |
| Know | ledge: | | | |
| projectio | on [-] - [-] | al engineering (sections, dimensior | | · |
| | | ction and architectural drawings (pr | | graphical notations) - [-] - [-] |
| 3. 3 Gra Skills: | • | rules in installation drawings [-] - | [-] | |
| | | den stande en de la secto de la secto | http://www.com.com/com/com/com/com/com/com/com/com/com/ | |
| | | drawings of single parts and assem puildings in sections and rectangula | | |
| | al notations, [-] - [-] | oundings in sections and rectangula | r projections in accordance w | in the applicable fulles and |
| 3. Exect | ution of installation dr | awings on rectangular projection co | onstruction layouts as well as | in axonometric. [-] - [-] |
| Social | I competencies: | | | |
| 1. The s | student understands t | he importance of engineering and i | ts impact on the environment | - [-] - [-] |
| 2. The s | student is able to thin | k and act in an enterprising way - [- |] - [-] | |
| | | | | |
| | | Assessment method | s of study outcomes | |
| | | | - | |

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|---|---|----------------------|
| Course descri | ption | |
| Mechanical drawings. Formats. Scale. Drawing lines. Orthogonal pro Tolerance in dimensioning. Drawings of uncoupled and coupled conn construction drawings. Graphical notations. Cross section drawings. materials. Dimensioning. Building installation drawings. Drawings of h application of installation drawing elements. | ections. Execution of complex Degree of accuracy. Graphica | k drawings. Building |
| Basic bibliography: | | |
| 1. Dobrzański T.: Rysunek techniczny maszynowy. WNT Warszawa | | |
| 2. Rysunek techniczny i rysunek techniczny maszynowy. Zbiór Polski | ich Norm. Wyd. Normalizacyjr | ne ALFA |
| 3 Rysunek techniczny i rysunek techniczny maszynowy. Zbiór Pols | kich Norm. Wyd. Normalizacy | jne ALFA |
| Additional bibliography: | | |
| 1. Polish design codes for construction drawings | | |
| Result of average stude | ent's workload | |
| Activity | | Time (working hours) |
| 1. Participation in lectures | | 15 |
| 2. Participation in project exercises | 15 | |
| 3. Execution of drawings (student individual work) | 30 | |
| 4. Preparation (at home) for the project exercises | 7 | |
| 5. Participation in consultations related to the project exercises | 2 | |
| 6. Participation in consultations related to the project exercises | 5 | |
| 7. Final test | 1 | |
| Student's wor | kload | |
| Source of workload | hours | ECTS |
| Total workload | 75 | 4 |
| Contact hours | 30 | 1 |
| Practical activities | 45 | 3 |