



Subject card

|   |  |  |                                     |            |  |         |     |
|---|--|--|-------------------------------------|------------|--|---------|-----|
| Subject name and code                       | , PG_00062622  |  |                                     |            |  |         |     |
| Field of study                              | Civil Engineering  |  |                                     |            |  |         |     |
| Date of commencement of studies             | October 2023   | Academic year of realisation of subject  |                                     |            | 2024/2025  |         |     |
| Education level                             | first-cycle studies  | Subject group  |                                     |            |  |         |     |
| Mode of study                               | Part-time studies  | Mode of delivery   |                                     |            | at the university  |         |     |
| Year of study                               | 2  | Language of instruction  |                                     |            | Polish   |         |     |
| Semester of study                           | 4  | ECTS credits   |                                     |            | 6.0  |         |     |
| Learning profile                            | general academic profile   | Assessment form  |                                     |            | assessment   |         |     |
| Conducting unit                             | Department of Building Engineering -> Faculty of Civil and Environmental Engineering   |  |                                     |            |  |         |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor   | dr inż. Adam Kristowski  |                                     |            |  |         |     |
|   | Teachers   |  |                                     |            |  |         |     |
| Lesson types and methods of instruction     | Lesson type  | Lecture  | Tutorial                            | Laboratory | Project  | Seminar | SUM |
|   | Number of study hours  | 20.0   | 10.0                                | 0.0        | 10.0   | 0.0     | 40  |
|   | E-learning hours included: 0.0   |  |                                     |            |  |         |     |
| Learning activity and number of study hours | Learning activity  | Participation in didactic classes included in study plan                                       | Participation in consultation hours |            | Self-study   |         | SUM |
|   | Number of study hours  | 40   | 0.0                                 |            | 0.0  |         | 40  |
| Subject objectives                          | Knowledge of technology and the organization construction works  |  |                                     |            |  |         |     |
| Learning outcomes                           | Course outcome   | Subject outcome  |                                     |            | Method of verification   |         |     |
|   | [K6_W06] Demonstrates practical knowledge and understanding of materials, devices and tools, processes and technologies in the field of civil engineering (and their limitations).                                 | The student knows the principles of using construction machinery and equipment.                |                                     |            | [SW1] Assessment of factual knowledge                                |         |     |
|   | [K6_W08] Knowledge of construction law, the basics of entrepreneurship, project management, knowledge of the principles of risk and safety regulations standards of organization and construction site management. | The student is able to apply knowledge of construction law and business management.            |                                     |            | [SW1] Assessment of factual knowledge                                |         |     |
|   | [K6_U08] Can manage a company/ construction project, as well as organize work on a construction site in accordance with legal standards and health and safety regulations.   | The student is able to use safety rules and labor laws.  |                                     |            | [SU3] Assessment of ability to use knowledge gained from the subject |         |     |
|   | [K6_U06] Conduct engineering activities in civil engineering subject area, using and applying practical knowledge and understanding of materials, equipment and tools, processes and technologies.                 | The student is able to use economically and ethically the principles of professional activity. |                                     |            | [SU4] Assessment of ability to use methods and tools                 |         |     |
|   | [K6_K01] Is aware of the key aspects of professional, ethical and social responsibility related to management, business operation, decision making and opinion formulation in civil engineering.                   | The student can correctly use the principles of work organization.                             |                                     |            | [SK5] Assessment of ability to solve problems that arise in practice |         |     |

|  |   |  |                               |
|--|---|--|-------------------------------|
| Subject contents   | Basic issues in construction work technology. Mechanization of construction works. Technology for preparatory works. Technology and management of earthwork. Technology and management of concrete works. Technological transport. Technology and management of assembly. Prefabrication. Technology of finish work. Scaffolds. Technology of topcoat work. Technical specifications of work conduct and commissioning. Basic issues concerning management. Safety of construction works. |  |                               |
| Prerequisites and co-requisites                                | access to professional literature   |  |                               |
| Assessment methods and criteria                                | Subject passing criteria  | Passing threshold  | Percentage of the final grade |
|  | test  | 60.0%  | 50.0%                         |
|  | project   | 60.0%  | 50.0%                         |
| Recommended reading  | Basic literature  | Literatura podstawowa 1. Dyżewski A. : Technologia i organizacja budowy Arkady Warszawa 2. Stefański A. : Technologia zmechanizowanych robót budowlanych. PWN 3. Stefański A., Walczak J. : Technologia robót budowlanych. Arkady 4. Jaworski K.M.: Metodologia projektowania realizacji budowy. WN PWN Warszawa 5. Jaworski K.M.: Podstawy organizacji budowy.WN PWN Warszawa |                               |
|  | Supplementary literature  | Literatura uzupełniająca 6. Śniadkowski Z. : Maszyny do zagęszczania podłoża. WN-T 7. Praca zbiorowa : Mechanizacja robot wykończeniowych w budownictwie. Arkady 8. Fligier K., Rowiński L., Szwabowski J. : Montaż zintegrowanych konstrukcji budowlanych. PWN 9. Stoner J.A.F., Freeman R.E., Gilbert D.R.: Kierowanie. PWE Warszawa.  |                               |
|  | eResources addresses  | Adresy na platformie eNauczanie:   |                               |
| Example issues/<br>example questions/<br>tasks being completed |   |  |                               |
| Work placement   | Not applicable  |  |                               |

Document generated electronically. Does not require a seal or signature.