



Subject card

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| Subject name and code | Diploma thesis 2, PG_00045315 | | | | | | |
| Field of study | Data Engineering | | | | | | |
| Date of commencement of studies | October 2020 | | Academic year of realisation of subject | | | 2023/2024 | |
| Education level | first-cycle studies | | Subject group | | | Obligatory subject group in the field of study Subject group related to scientific research in the field of study | |
| Mode of study | Full-time studies | | Mode of delivery | | | at the university | |
| Year of study | 4 | | Language of instruction | | | English | |
| Semester of study | 7 | | ECTS credits | | | 10.0 | |
| Learning profile | general academic profile | | Assessment form | | | assessment | |
| Conducting unit | Department of Informatics in Management -> Faculty of Management and Economics | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr inż. Anna Trzaskowska | | | | |
| | Teachers | | | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 0.0 | 0.0 | 0.0 | 45.0 | 0.0 | 45 |
| | 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 | 45 | | 20.0 | | 185.0 | 250 |
| Subject objectives | Preparing students to write engineering thesis in the substantive scope (search literature, formulate the problem, data collection, selection methods of solution, interpretation of results) and formal scope (text preparation work in accordance with the applicable rules). | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | | Method of verification | |
| | [K6_W15] Knows the basic concepts and principles regarding the protection of industrial property and copyright | | The student recognizes and recalls relevant provisions regarding copyright protection. | | | [SW1] Assessment of factual knowledge | |
| | [K6_U13] Is able to prepare, independently and in a team, studies and analyses appropriate for the field of data engineering. | | The student presents the concept of solving the research problem using quantitative and qualitative methods. | | | [SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools | |
| | [K6_U02] designs, analyses correctness and creates functional specification of IT systems, selects appropriate measures, creates quality models, prepares and assesses their design documentation. | | The student creates the specification of the IT system along with the project documentation. | | | [SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools | |
| | [K6_K01] is aware of quickly changing trends and the resulting need for further education and self-improvement in the area of the performed profession of an engineer with IT and economic-financial skills. | | The student has a desire for continuous self-improvement. | | | [SK3] Assessment of ability to organize work [SK4] Assessment of communication skills, including language correctness [SK5] Assessment of ability to solve problems that arise in practice | |
| | [K6_K03] Knows how to cooperate or work in a project team and take managerial or executive functions. | | In the case of group work, the student collaborates with other team members. Is able to divide the work in the team fairly. | | | [SK3] Assessment of ability to organize work [SK1] Assessment of group work skills | |

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| Subject contents | <p>The formal aspects of preparing a thesis.</p> <p>The formulation of the research problem.</p> <p>Finding and analyzing literature.</p> <p>Collection of data from different sources: surveys, observations, statistics, documentation.</p> <p>The choice of methods to solve the problem.</p> <p>Solving the problem and interpretation of results.</p> <p>Confirmation of solutions.</p> | | |
| Prerequisites and co-requisites | registration for the diploma semester | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | diploma thesis | 60.0% | 100.0% |
| Recommended reading | Basic literature | reading list appropriate for the specificity of the thesis | |
| | Supplementary literature | none | |
| | eResources addresses | Adresy na platformie eNauczanie: Seminarium dyplomowe / Projekt dyplomowy inżynierski / Diploma thesis 2 - Inżynieria Danych / Data Engineering - sem. 7 - 2023/2024 - Moodle ID: 21955 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=21955 | |
| Example issues/ example questions/ tasks being completed | <p>The formal aspects of preparing a thesis.</p> <p>The formulation of the research problem.</p> <p>Finding and analyzing literature.</p> <p>Collection of data from different sources: surveys, observations, statistics, documentation.</p> <p>The choice of methods to solve the problem.</p> <p>Solving the problem and interpretation of results.</p> <p>Confirmation of solutions.</p> <p>Writing the diploma thesisPreparation of a presentation for defense.</p> | | |

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| Work placement | Not applicable |
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