



Subject card

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|---|---|--|---|-------------------------------------|--|------------|-----|
| Subject name and code | Business Processes Modelling, PG_00050213 | | | | | | |
| Field of study | Management | | | | | | |
| Date of commencement of studies | October 2022 | | Academic year of realisation of subject | | 2022/2023 | | |
| Education level | second-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 | 1 | | Language of instruction | | Polish | | |
| Semester of study | 1 | | ECTS credits | | 2.0 | | |
| Learning profile | general academic profile | | Assessment form | | assessment | | |
| Conducting unit | Department of Management -> Faculty of Management and Economics | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr inż. Katarzyna Karpienko | | | | |
| | Teachers | | dr inż. Katarzyna Karpienko | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 0.0 | 0.0 | 30.0 | 0.0 | 0.0 | 30 |
| | 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 | 30 | | 3.0 | | 17.0 | 50 |
| Subject objectives | The aim is to acquire the practical skills to construct models of the processes using iGrafx Process software, simulation experiments, inference based on simulation results. | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | Method of verification | | |
| | [K7_U02] analyses complex economic processes and phenomena using selected methods and techniques for analysing socio-economic data, and formulates their own opinions and conclusions concerning these processes and phenomena | | Is able to apply iGrafx Process software for building process models, conduct simulation experiments and draw conclusions based on the results. | | [SU1] Assessment of task fulfilment | | |
| | [K7_W07] knows in depth selected methods and techniques of data acquisition, enabling analysis and modelling of structures and socio-economic relations, processes taking place and their impact on the implementation of objectives of the organization, including government administration, local government and non-profit organizations | | Has knowledge of methods and tools for process modeling applied in business practice. | | [SW1] Assessment of factual knowledge | | |
| Subject contents | Basic concepts and definitions, getting familiar with iGrafx Process, process mapping, basic symbols (events, activities, getways). Simulation components: schedules, generators, resources, activities, attributes, functions, decision getways, charts, scenarios and reports. Simulation environment settings, scenarios. Realization of tasks according to given parameters, simulating, analyzing results, optimizing the process. Examination task. | | | | | | |
| Prerequisites and co-requisites | | | | | | | |
| Assessment methods and criteria | Subject passing criteria | | Passing threshold | | Percentage of the final grade | | |
| | Class exercise | | 60.0% | | 100.0% | | |

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| Recommended reading | Basic literature | User manual of iGrafx Process, available on the Internet Lab instructions published via https://enauczanie.pg.edu.pl/moodle/ |
| | Supplementary literature | Grajewski P.: Organizacja procesowa, PWE 2007 Grzesiak M.: Modelowanie procesów biznesowych z wykorzystaniem narzędzi iGrafx Process 2015, Wydawnictwo Politechniki Gdańskiej 2018 Piotrowski M.: Notacja modelowania procesów biznesowych. Podstawy, BTC 2014 Piotrowski M.: Procesy biznesowe w praktyce. Projektowanie, testowanie i optymalizacja, Helion 2013 |
| | eResources addresses | Adresy na platformie eNauczanie: Modelowanie procesów biznesowych 2022/2023 - Moodle ID: 20990 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=20990 |
| Example issues/ example questions/ tasks being completed | Build a simulation model of a process. Carry out a simulation experiment. Interpret the results and make improvements to the process. | |
| Work placement | Not applicable | |