



Subject card

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|---|--|---|-------------------------------------|------------|--|---------|-----|
| Subject name and code | Processes Modelling Methods, PG_00044282 | | | | | | |
| Field of study | Engineering Management | | | | | | |
| Date of commencement of studies | October 2020 | Academic year of realisation of subject | | | 2021/2022 | | |
| 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 | 2 | Language of instruction | | | Polish | | |
| Semester of study | 4 | ECTS credits | | | 3.0 | | |
| Learning profile | general academic profile | Assessment form | | | exam | | |
| Conducting unit | Department of Industrial Management -> Faculty of Management and Economics | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr inż. Grzegorz Zieliński | | | | | |
| | Teachers | dr inż. Grzegorz Zieliński | | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 |
| | E-learning hours included: 0.0 Adresy na platformie eNauczanie: Metody modelowania procesów - sem. LETNI 2021/2022 - sem.IV - Moodle ID: 22534 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=22534 | | | | | | |
| 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 | 6.0 | 39.0 | 75 | | |
| Subject objectives | The aim of the course is to present selected forms of management and process modeling | | | | | | |
| Learning outcomes | Course outcome | Subject outcome | | | Method of verification | | |
| | [K6_W13] has a basic knowledge of the design, modelling and optimisation of technical processes and systems | has basic knowledge in the field of design, modeling and optimization of processes | | | [SW3] Assessment of knowledge contained in written work and projects | | |
| | [K6_U08] analyses engineering and managerial solutions in decision-making processes, taking into account pro-quality and pro-environmental aspects, as well as safety of work processes | analyzes engineering and managerial solutions in decision making processes, including aspects focused on process management | | | [SU3] Assessment of ability to use knowledge gained from the subject | | |
| | [K6_U04] forecasts phenomena and processes in the organisation, including technical and innovative processes | The student is able to forecast technical processes in the enterprise | | | [SU4] Assessment of ability to use methods and tools | | |
| Subject contents | <ul style="list-style-type: none">- basics of modeling- model classifications- static and dynamic models- review of process modeling methods- notations in process modeling- KPIs as process success factors- BPMN in process modeling | | | | | | |
| Prerequisites and co-requisites | | | | | | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | | | Percentage of the final grade | | |
| | writing paper | 60.0% | | | 100.0% | | |

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| Recommended reading | Basic literature | Drejewicz S. Zrozumieć BPMN. Modelowanie procesów biznesowych, Wyd. Helion, Gliwice 2011 Grajewski P. Procesowe zarządzanie organizacją, Wyd PWE Warszawa 2012 |
| | Supplementary literature | Szczepańska K., Bugdol M., Podstawy zarządzania procesami, Wyd Difin, Warszawa 2016 |
| | eResources addresses | Metody modelowania procesów - sem. LETNI 2021/2022 - sem.IV - Moodle ID: 22534 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=22534 |
| Example issues/ example questions/ tasks being completed | Identification, analysis, modeling and improvement of the selected process | |
| Work placement | Not applicable | |