



Subject card

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|---|---|--|--|-------------------------------------|--|------------|-----|
| Subject name and code | LEAN MANAGEMENT, PG_00061475 | | | | | | |
| Field of study | Engineering Management | | | | | | |
| Date of commencement of studies | October 2024 | | Academic year of realisation of subject | | 2025/2026 | | |
| Education level | first-cycle studies | | Subject group | | Optional subject group Subject group related to scientific research in the field of study | | |
| Mode of study | Part-time studies (on-line) | | Mode of delivery | | at the university | | |
| Year of study | 2 | | Language of instruction | | Polish | | |
| Semester of study | 4 | | ECTS credits | | 4.0 | | |
| Learning profile | general academic profile | | Assessment form | | assessment | | |
| Conducting unit | Department of Management Engineering and Quality -> Faculty of Management and Economics | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr inż. Ewa Marjańska | | | | |
| | Teachers | | | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 8.0 | 16.0 | 0.0 | 0.0 | 0.0 | 24 |
| | 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 | 24 | | 5.0 | | 71.0 | 100 |
| Subject objectives | Analyzes and evaluates various processes using the results of analyzes to improve them | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | Method of verification | | |
| | [K6_U05] designs innovative solutions for complex management processes, using appropriate methods and techniques | | design production, service and logistics processes using appropriately selected methods | | [SU4] Assessment of ability to use methods and tools | | |
| | [K6_W04] demonstrates creative and entrepreneurial activity in formulating and implementing innovative ideas | | formulate innovative solutions to process inefficiency problems using Lean Management techniques to an advanced degree | | [SW1] Assessment of factual knowledge | | |
| Subject contents | LECTURE Introduction to Lean Management and Toyota Production System Phases of building a team focused on a common goal according to Patric Lencioni Start with why. Simon Sink's concept 10 principles of Kaizen 3 types of security in the enterprise. Financial, mental and physical 3 votes in the enterprise. The voice of the customer, the voice of the company and the voice of the employee Management by values Executioner's Improvement simulation game Team identity and values Lean Leadership Continuous improvement management TUTORIAL Learn to see. Introduction to value stream mapping using the Makigami method Analysis and improvement of process flow on selected case studies Problem diagnosis. Diagnosis of the state of the existing process Setting a goal for change. Building a process vision Identification of root causes and designing improvement actions Planning changes using a road map Concept design: (1) PLN 0 budget, (2) cheap, (3) new technologies with established limitations Communication of changes | | | | | | |
| Prerequisites and co-requisites | | | | | | | |

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| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Project | 60.0% | 25.0% |
| | Attendance | 80.0% | 25.0% |
| | implementation of the development plan | 80.0% | 25.0% |
| | Completing an online course | 75.0% | 25.0% |
| Recommended reading | Basic literature | Cel I. [T.] 1, Doskonałość w produkcji. Eliyahu M. Goldratt i Jeff Cox Pięć dysfunkcji pracy zespołowej. Opowieść o przywództwie. Patric Lencioni Zaczynaj od dlaczego. Jak wielcy liderzy inspirują innych do działania. Simon Sinek Poradnik Młodego Lean Lidera. red. Joanna Czerska Naucz się widzieć. Metoda mapowania strumienia wartości. John Shook, „Mike Rother | |
| | Supplementary literature | Narzędzia Lean Management. Joanna Czerska Doskonalenie strumienia wartości. Joanna Czerska | |
| | eResources addresses | Adresy na platformie eNauczanie: | |
| Example issues/ example questions/ tasks being completed | | | |
| Work placement | Not applicable | | |

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