



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Contemporary concepts of management

### Course

Field of study

Engineering Management

Area of study (specialization)

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

1/2

Profile of study

general academic

Course offered in

English

Requirements

compulsory

### Number of hours

Lecture

30

Laboratory classes

Tutorials

Projects/seminars

15

Other (e.g. online)

### Number of credit points

4

### Lecturers

Responsible for the course/lecturer:

prof. dr hab. inż. Stefan Trzcieliński

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Faculty of Engineering Management

ul. Jacka Rychlewskiego 2, 60-965 Poznań

Responsible for the course/lecturer:

Dr hab. Hanna Włodarkiewicz-Klimek, prof. PP

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### Prerequisites

Knowledge about: microeconomics, strategic management, functional subsystems management.

### Course objective

To familiarize students with: the paradigms of enterprise management and the factors triggering their change, metaconcepts of a lean and agile enterprise, concepts and methods belonging to the metaconcepts. Development of skills of situational selection and application of concepts and methods in practice.

### Course-related learning outcomes

Knowledge

Knowledge about: enterprise management paradigms; enterprise network structures; features of a



virtual enterprise; management concepts and methods; Knowledge Based Economy; knowledge management.

#### Skills

Skills in: situational selection of management method; identification of sources of waste; shaping the agility of the enterprise.

#### Social competences

Competences in the field of: development of interdisciplinary knowledge and obtaining it from team members; selection of members for teams due to the necessary knowledge, skills and their social competences.

#### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Performing micro tasks during lectures; assessment of a project on management system supported by selected methods.

#### Programme content

Enterprise paradigms and factors causing their change; Lean and Agile metaconcepts and management methods belonging to them; shaping the agility of the enterprise; KBE; knowledge management in the organization.

#### Teaching methods

Seminar lecture; project of management system supported by selected methods.

#### Bibliography

##### Basic

Trzecieliński S. (Ed. 2007). Agile Enterprise. Concepts and some results of research, IEA, Madison.

Kaufmann G. (2020). Aligning Lean and Value-based Management. Springer, Cham. <https://link-1springer-1com-1000038950abe.han3.library.put.poznan.pl/content/pdf/10.1007%2F978-3-030-38467-8.pdf>

##### Additional

Matt T.D., Rauch E., Riedl M. (2018). Knowledge Transfer and Introduction of Industry 4.0 in SMEs: A Five-Step Methodology to Introduce Industry 4.0. In: Analyzing the Impacts of Industry 4.0 in Modern Business Environments. <https://www-1igi-2global-1com-1000038950abe.han3.library.put.poznan.pl/gateway/chapter/full-text-pdf/203124>



### Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,0
Classes requiring direct contact with the teacher	45	2,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup>	55	2,0

<sup>1</sup> delete or add other activities as appropriate