POZNAN UNIVERSITY OF TECHNOLOGY

COURSE DESCRIPTION CARD - SYLLABUS

Course name
Contemporary Concepts of Management [N2IZarz1>WKZ]

Course

Field of study	Year/Semester
Engineering Management	1/2
Area of study (specialization)	Profile of study
Enterprise Resource and Process Management	general academic
Level of study	Course offered in
second-cycle	polish
Form of study	Requirements
part-time	compulsory

Number of hours

Lecture	Laboratory classes	Other (e.g. online)
8	0	0
Tutorials	Projects/seminars	
0	10	

Number of credit points

4,00

Coordinators	Lecturers
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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:
he student accurately defines and delineates contemporary enterprise paradigms and identifies factors influencing their change. Demonstrates an understanding of Lean and Agile meta-concepts and uses them in analyzing and shaping enterprise agility [P7S_WG_04].
The student describes various management concepts, presents their theoretical underpinnings and uses research methods to analyze and practically apply these concepts to enterprise management [P7S_WG_04].

The student characterizes the stages of modeling changes in organizational structures using Lean and Agile concepts. Demonstrates the ability to shape the agility of an organization in practice by applying appropriate modeling methods [P7S_WG_05].
The student analyzes the specifics of network organizations, including virtual ones, and identifies organizational dependencies. Demonstrates the ability to study these dependencies in the context of value creation in enterprises and their ecosystems [P7S_WG_06].

Skills:
The student uses the acquired knowledge to evaluate the effectiveness and usefulness of various management methods, especially in the context of knowledge management in an organization, demonstrating this through the analysis of case studies or projects [P7S_UW_03].
The student integrates knowledge from various management disciplines to evaluate and critically analyze modern management concepts, and then applies these concepts to business practice, demonstrating this through a specific project or situational analysis [P7S_UW_03].
The student independently develops innovative management solutions using Lean and Agile concepts, including process design and implementation, demonstrating this through the development and presentation of a project plan [P7S_UW_04].
The student conducts in-depth theoretical and practical analysis of social phenomena affecting management using research methods, as demonstrated through the development of a case study or survey [P7S_UW_05].
The student interprets and explains complex social phenomena and their impact on business management, using interdisciplinary management concepts and providing examples of their application [P7S_UW_06].
The student analyzes the causes and course of business and social processes and forms reasoned opinions in the context of business management, relying on data and evidence [P7S_UW_07].

Social competences:
The student identifies and analyzes cause-and-effect relationships in the business environment, applying agile and adaptive management concepts to evaluate and prioritize strategic tasks [P7S_KK_02].
The student plans and manages business ventures using modern management methods to increase operational efficiency and innovation [P7S_KO_03].

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:
Trzcieliński S., Pawłowski G. (2023). Knowledge in the Discovery of Market Opportunities. W: Proceedings of the 24th European Conference on Knowledge Management ECKM 2023. Vol. 1: Academic Conferences International Limited, Reading, UK, 2023, s. 1366-1374.
Grobelna K., Trzcieliński S. (2019). The impact of organizational climate on the regularity of work speed of agile software development teams. Przedsiębiorczość i Zarządzanie - 2019, t. 19, z. 12, cz. 1, s. 229-242.
Trzcieliński S. (2011) Przedsiębiorstwo zwinne, Wydawnictwo Politechniki Poznańskiej, Poznań.
Trzcieliński s., Włodarkiewicz-Klimek H., Pawłowski K. (2013). Współczesne koncepcje zarządzania. Wydawnictwo Politechniki Poznańskiej, Poznań.
Liker J.K., Morgan J.M. (2020) Projektowanie przyszłości. mt biznes.

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

Tilman LM and Jackoby C (2019) Agility. How to navigate the unknown and seize opportunity in a world of disruption. USA: Missionday

Additional:

Wyrozębski P. (2020). Zwinne zarządzanie projektami w dużych organizacjach. Oficyna Wydawnicza SGH, Warszawa.

Hamrol A. (2018). Strategie i praktyki sprawnego działania. PWN, Warszawa.

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

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

Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,00
Classes requiring direct contact with the teacher	20	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	80	3,00