



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Concepts and tools of modern enterprise management [N1Inf1>KNZP]

### Course

Field of study

Computing

Year/Semester

4/8

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

Polish

Form of study

part-time

Requirements

elective

### Number of hours

Lecture

12

Laboratory classes

0

Other

0

Tutorials

0

Projects/seminars

12

### Number of credit points

3,00

### Coordinators

dr Małgorzata Wiśniewska

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### Lecturers

### Prerequisites

1. Knowledge: Knowledge of the basics of organization and management, strategic management, management enterprise subsystems. 2. Skills: Is able to define the functions performed in the enterprise. 3. Social competences Demonstrates readiness to develop their knowledge and skills. It is open to teamwork.

### Course objective

The aim of the course is to familiarize students with the paradigms of business management and factors causing their change, metaconcepts of a lean and agile enterprise and management concepts and methods that constitute them, as well as developing skills situational selection and application of management concepts and methods in practice.

### Course-related learning outcomes

Knowledge:

1. Knows the paradigms of enterprise management and their embedding in the development of technical sciences, economic and management - [K1st\_W9, K1st\_W10, K1st\_W11]
2. Knows the structures of cross-functional teams - [K1st\_W9, K1st\_W10, K1st\_W11]

3. Knows the concepts and methods of managing a modern enterprise - [K1st\_W9, K1st\_W10, K1st\_W11]

4. Knows the essence of an intelligent enterprise - [K1st\_W9, K1st\_W10, K1st\_W11]

#### Skills:

1. Is able to explain the relationship between management concepts and methods and effectiveness enterprises. - [K1st\_U5]

2. Is able to link management concepts and methods with the effects of reducing costs, improving quality and shortening response time to customer needs – [K1st\_U6]

3. Can advise what management concepts and methods should be used for improvement enterprise efficiency - [K1st\_U7]

#### Social competence:

1. Is aware of the need to supplement knowledge in the development of management concepts and methods -

[K1st\_K3, K1st\_K5]

2. Can work in a team - [K1st\_K3, K1st\_K5]

3. Is aware of the importance of behaving in a professional manner and observing the principles of professional ethics

and respect for diversity of views and cultures when working in projects - [K1st\_K3, K1st\_K5]

4. Is able to select management concepts and methods when developing business ventures - [K1st\_K3, K1st\_K5]

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

#### Formative assessment:

a) in the scope of project classes: based on the assessment of the current progress in the implementation of tasks related to

application of selected management concepts (OS, VE, KM, CE) and public presentation designed solutions,

b) in terms of lectures: based on written or oral answers to questions regarding material covered in the current and previous lectures,

#### Summary rating:

a) in the field of project classes: average grade for completed projects

b) in terms of lectures: average of formative grades.

### Programme content

Enterprise goals. Leadership as management innovation. Human

Factors and the problem of genotype in management. Specialization, differentiation and diversification as paths

strategic development of a modern enterprise. Contemporary corporate enterprises.

The third wave and the modern enterprise. New wave in business management.

An intelligent enterprise. Concepts and tools for lean, organizational and management improvement

a modern enterprise. Organizational innovation in enterprises. Agility

management as, rooted in leanness and World Class Manufacturing Practices, the answer to ineffectiveness of the waste elimination paradigm. Business Process Reengineering.

Enterprise architecture. Innovative business models of BRIC enterprises. Undertaking

as a target of cyberattacks on social media. Some of the content listed above

program is carried out as part of the student's own work.

### Course topics

The essence and functions of management. Managing people as a basic managerial function. Classic management concepts and tools

enterprise. Models of decision-making processes in enterprise management.

### Teaching methods

Lecture: multimedia presentation, illustrated with examples given on the board, discussions.  
Project: practical application of knowledge acquired during lectures, based on a work plan design.

## Bibliography

### Basic

1. Trzcieliński S. Agile enterprise. Poznań University of Technology Publishing House, Poznań, 2011.
2. Trzcieliński S. Włodarkiewicz-Klimek H., Pawłowski K. Contemporary management concepts, Poznań University of Technology Publishing House, Poznań 2013
3. Trzcieliński S., Kałowska J., Pawłowski E., Włodarkiewicz-Klimek H., Adaptation of systems enterprise management to the conditions of the knowledge economy, Monograph, Wydawnictwo Politechniki Poznańskiej, Poznań 2016

### Supplementary

1. Zimniewicz K., Contemporary concepts and methods of management, PWE, Warsaw, 2008.
2. Gierszewska G., Strategic Management, University of Entrepreneurship and Management. Leona Koźmińskiego, Warsaw 2000,
3. Griffin R.W., Basics of organization management, Wydawnictwo Scientific PWN, Warsaw 2001,
4. Skrzypek E., Hofman M., Process management in the enterprise. Wolters Kluwer Annex Business, Warsaw, 2010.
5. Information security management: collective work / Jacek Łuczak (ed.). Poznań, Annex Contemporary, 2004.

## Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,00
Classes requiring direct contact with the teacher	24	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	51	2,00