



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Knowledge Management

### Course

Field of study

Production Engineering and Management

Area of study (specialization)

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

1/1

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

### Number of hours

Lecture

15

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

### Number of credit points

1

### Lecturers

Responsible for the course/lecturer:

PhD. Beata Starzyńska

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Faculty of Mechanical Engineering

Piotrowo Street, No 3 60-965 Poznań

Responsible for the course/lecturer:

### Prerequisites

Student has a fundamental knowledge in the field of enterprise management, HRM as well as projects and innovation management; Student has an ability to manage the improvement projects based on the known methodologies; Student is aware of the need to learn and to obtain new knowledge as a



continuous process; is able to see the opportunities of continuous improvement in different areas of the life; especially in organizations with special attention to production enterprises.

### Course objective

To acquaint the student with theoretical and practical issues of contemporary enterprises, functioning in conditions demanding continuous learning and adapting processes to changing conditions on the market.

### Course-related learning outcomes

#### Knowledge

Student freely uses the following concepts, as: data, information, knowledge, intellectual capital, learning organizations.

Student knows and understands the relationships between known concepts of management and the concept of learning organizations.

#### Skills

Student is able to distinguish the learning organization (enterprises) from the enterprise which managed in traditional way.

Student is able to choose and use in practice the solutions and methods, implemented in contemporary companies, oriented towards knowledge.

Student is able to recognize not only the threats (traditional attitude), but also the opportunities and chances (new attitude) within the organization competing on the market.

#### Social competences

Student is aware of the role and the importance of knowledge assets in production enterprises. Student is open - minded towards new ideas and conceptions, changes implementation and aspirations for continuous self-improvement.

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Completion of a multiple-choice test at the end of the semester.

### Programme content

The terminology of the subject: knowledge, knowledge assets, knowledge - based economy, intellectual capital, learning organizations. The conceptions and models of knowledge management. The processes (vs. functions) of knowledge management. Knowledge management instruments: strategies, approaches, methodologies, methods, techniques and tools. The role and the meaning of the organizational knowledge creation based on learning processes. So called "organizational memory" application in enterprises. Learning organizations and their characteristics. Examples of methods, implemented in learning organizations: coaching, mentoring, benchmarking, outsourcing and others. The role and importance of staff trainings. Building the intellectual capital in companies. Teamwork.



Knowledge management in manufacturing enterprises. Manufacturing enterprises as the learning organizations.

### Teaching methods

Lecture: multimedia presentation illustrated with examples.

### Bibliography

Basic

Probst G., Raub S., Romhardt K., Zarządzanie wiedzą w organizacji (Managing Knowledge), Oficyna Ekonomiczna, Kraków 2004 (in English version)

Nonaka I., Takeuchi H., Kreowanie wiedzy w organizacji (The Knowledge-Creating Company), Wydawnictwo Poltext, Warszawa 2002 (in English version)

Additional

McElroy M.: The New Knowledge Management – Complexity, Learning and Sustainable Innovation, Butterworth -Heinemann, Amsterdam – Boston – London 2003

### Breakdown of average student's workload

	Hours	ECTS
Total workload	25	1
Classes requiring direct contact with the teacher	15	0,5
Student's own work (literature studies, preparation for tests/exam) <sup>1</sup>	10	0,5

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

