



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Risk Management in Agile Enterprise

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### Course

Field of study

Engineering management

Area of study (specialization)

Managing Enterprise of the Future

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

elective

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### Number of hours

Lecture

15

Laboratory classes

Other (e.g. online)

Tutorials

15

Projects/seminars

### Number of credit points

2

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### Lecturers

Responsible for the course/lecturer:

Ph.D., Eng., Paweł Królas

Responsible for the course/lecturer:

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### Prerequisites

The student has knowledge in the field of business management, strategic management and macroeconomics. Has the ability to perceive, associate and interpret phenomena occurring in the enterprise as well as in its environment.



### Course objective

The aim of the course is to acquire by the student the ability to identify and assess the risk associated with the use of opportunities occurring in the environment of an agile enterprise.

### Course-related learning outcomes

#### Knowledge

The student describes the methods of risk management in an agile enterprise, including tools for modeling risk-related decision-making processes [P7S\_WG\_02].

The student explains the specifics of risk management in network and agile organizations, identifying the relationships between organizational units and operational risks [P7S\_WG\_06].

The student characterizes the methods of obtaining and analyzing risk data relevant to management in an agile enterprise [P7S\_WG\_07].

The student recognizes the impact of ethical norms on risk decisions in the context of agile entrepreneurship [P7S\_WK\_01].

#### Skills

The student effectively applies risk management knowledge to critically analyze risk scenarios in an agile enterprise [P7S\_UW\_03].

The student independently develops and implements risk management strategies tailored to the specifics of an agile enterprise [P7S\_UW\_04].

The student interprets market and organizational phenomena in the context of risk management, using interdisciplinary knowledge [P7S\_UW\_06].

The student analyzes the causes and consequences of risk in a business context, formulating hypotheses and risk management strategies [P7S\_UW\_07].

#### Social competences

The student identifies and integrates knowledge from different disciplines (e.g., finance, management, psychology) in the process of risk management and actively participates in interdisciplinary projects, where he/she applies these integrations in practice to solve risk-related problems [P7S\_KK\_01].

The student identifies and analyzes cause-effect relationships in the context of risk management, prioritizing tasks and decisions [P7S\_KK\_02].

The student initiates and leads risk management projects, promoting a risk management culture in the organization [P7S\_KO\_02].

The student plans and manages risk management projects in the context of an agile enterprise [P7S\_KO\_03].

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:



The knowledge acquired during the lecture is verified by passing the final lecture. Assessment consists of 5 questions. Passing threshold: 50% of points (satisfactory grade).

The knowledge acquired during the exercises is verified on the basis of solving individual tasks included in the curriculum. For each task the student receives points. Passing threshold: 50% of points (satisfactory).

### Programme content

Lecture: Risk management in the enterprise covers: risk identification and assessment, the use of risk management methods and techniques; the ability to analyze the company's potential and assess the organization's environment, identify the necessary resources (own and others) by the company leading to the use of the opportunity, present the idea of an agile enterprise based on risk identification.

Exercises: determination of the company's potential, determination of the decision problem related to the use of the opportunity, identification and assessment of risk related to the use of the opportunity, determination of the features of the enterprise that fit into the concept of an agile enterprise.

### Teaching methods

A monographic lecture in the form of a multimedia presentation with elements of a seminar lecture. Classes - performing exercise tasks based on the case study method.

### Bibliography

Basic

1. Trzciliński S. (2011), *Przedsiębiorstwo zwinne*, Poznań, Wydawnictwo Politechniki Poznańskiej.
2. Królas P. (2020), *Methodology of risk management associated with short life cycle business opportunity*, 36th IBIMA Conference: 4-5 November 2020, Granada, Spain
3. Buła P., (2015), *System zarządzania ryzykiem w przedsiębiorstwie jako element nadzoru korporacyjnego*, Wydawnictwo Uniwersytetu Jagiellońskiego, Kraków.
4. Krolas, P., Heilala, J. (2023). *Life cycle opportunity based on implementation of Quality Management Systems*. In: Waldemar Karwowski and Stefan Trzcilinski (eds) *Human Aspects of Advanced Manufacturing*. AHFE (2023) International Conference. AHFE Open Access, vol 80. AHFE International, USA;

Additional

1. Sull D., (2009), *The upside of turbulence. Seizing opportunity in an uncertain world*, Harper Collins Publishers.
2. Simon H., (2009), *Hidden champions of 21st century*, Springer.



### Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,0
Classes requiring direct contact with the teacher	30	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests, project preparation) <sup>1</sup>	20	1,0

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