



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Research project

### Course

Field of study

Inżynieria zarządzania / Engineering Management

Area of study (specialization)

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

English

Requirements

compulsory

### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

120

### Number of credit points

5

### Lecturers

Responsible for the course/lecturer:

prof. dr hab. inż. Stefan Trzcieliński

stefan.trzcielinski@put.poznan.pl

Faculty of Engineering Management

ul. Jacka Rychlewskiego 2, 60-965 Poznań

Responsible for the course/lecturer:

prof. dr hab. inż. Leszek Pacholski

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Faculty of Engineering Management

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### Prerequisites

The student possesses knowledge, skills and social competences necessary to register for the third semester of Master program.

### Course objective

Collecting data on the research problem undertaken in the master's thesis, their processing and development of research results.

### Course-related learning outcomes

Knowledge

Knowledge in the field of: research methodology; methods of conducting scientific research adequate to the problem being solved; methods for solving the research problem.



### Skills

Skills in: using and expanding acquired knowledge; proposing solutions for a specific management problem; analyzing the cause and course of social processes and phenomena (cultural, political, legal, economic); formulating simple research hypotheses and verifying them; presenting research results.

### Social competences

Social competences in: supplementing knowledge from external sources and acquiring and sharing it with participants of research team; organizing own work in the context of the goals set for the team; reliable conducting and publishing of scientific research results.

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Ongoing assessment of the progress of the MA dissertation; final evaluation of the master's dissertation; assessment of verbal and visual presentation and fragments of master dissertation.

### Programme content

Formulation of the research problem; literature analysis of the problem; identification of the research gap; defining the purpose of research; developing research methodology; collecting empirical data; data processing; development and discussion of research results; defining the practical usefulness of research results and the limits of their application.

### Teaching methods

Individual literature studies; case studies; design method.

### Bibliography

#### Basic

Kothari C.R. (2004). Research Methodology. Methods and Techniques. New Age International (P) Ltd., Publishers. <https://www.modares.ac.ir/uploads/Agr.Oth.Lib.17.pdf>

#### Additional

Krajewski (2010). O metodologii nauk i zasadach pisarstwa.

[http://www.krajewskimiroslaw.pl/\\_media/docs/4i.%20METODOLOGIA%20NAUK.pdf](http://www.krajewskimiroslaw.pl/_media/docs/4i.%20METODOLOGIA%20NAUK.pdf)

### Breakdown of average student's workload

	Hours	ECTS
Total workload	120	5,0
Classes requiring direct contact with the teacher	15	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup>	105	4,0

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