



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Research project

Course

Field of study

Engineering Management

Area of study (specialization)

Managing the Enterprise of the Future

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

Polish

Requirements

elective

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. Stefan Trzcieliński, Ph.D., D.Sc., Eng.

Mail to: stefan.trzcielinski@put.poznan.pl

Faculty of Engineering Management

ul. J. Rychlewskiego 2, 60-965 Poznań

Responsible for the course/lecturer:

prof. Leszek Pacholski, Ph.D., D.Sc., Eng.

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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 [P7S_WG_03], [P7S_WG_04], [P7S_WG_07], [P7S_WK_01], [P7S_WK_02].

Skills

Skills in: using and expanding acquired knowledge [P7S_UW_03]; proposing solutions for a specific management problem [P7S_UW_03]; analyzing the cause and course of social processes and phenomena (cultural, political, legal, economic) [P7S_UW_07]; formulating simple research hypotheses and verifying them; presenting research results [P7S_UK_01], [P7S_UK_02], [P7S_UO_01].

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 [P7S_KK_01], [P7S_KK_02], [P7S_KR_01].

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

Czakon W. (2020). Podstawy metodologii badań naukowych w naukach o zarządzaniu. Wydawnictwo Nieoczywiste.

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

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, project preparation) ¹	105	4,0

¹ delete or add other activities as appropriate