COURSE DESCRIPTION CARD - SYLLABUS

Course name

Team Project

Course

Field of study

Engineering Management

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

4/7

Profile of study

general academic

Course offered in

polish, english

Requirements

compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

90

Number of credit points

15

Lecturers

Responsible for the course/lecturer:

Promoter of engineering thesis

email: office_demf@put.poznan.pl

tel. 61 665 33 74

Faculty of Engineering Management

ul. Jacka Rychlewskiego 2, 60-965 Poznań,
Poland

Responsible for the course/lecturer:

Prerequisites

Knowledge: The student has knowledge of the subjects covered by the first cycle degree program in engineering management, and also knows the basic principles of editing scientific works and applying selected research methods and techniques

Skills: The student has the ability to perceive, associate and interpret phenomena occurring in organizations and use them to write an engineering thesis

Competences: The student complies with the principles of the correct use of the Polish language and cares for improving language skills

Course objective

Getting to know the methodology and help in the preparation and writing of an engineering thesis.

Course-related learning outcomes

Knowledge

Has basic knowledge of the life cycle of socio-technical systems [P6S_WG_01]

Knows the basic methods, techniques, tools and materials used in solving simple engineering problems in the field of machine construction and operation [P6S_WG_16]

Has the knowledge necessary to understand the non-technical determinants of engineering activities [P6S_WG_18]

Knows and understands the basic concepts and principles of industrial property protection and copyright [P6S_WK_03]

Skills

Is able to use basic theoretical knowledge and obtain data to analyze specific social processes and phenomena [P6S_UW_01]

Is able to correctly interpret social phenomena in the field of management [P6S_UW_06]

Is able to correctly analyze the causes and course of processes and phenomena in management [P6S_UW_07]

Can see systemic, socio-technical, organizational and non-technical aspects in solving engineering tasks and problems [P6S_UW_11]

Is able to make a preliminary technical and economic analysis of engineering activities undertaken [P6S_UW_12]

Identifies and solves simple design tasks in engineering activities [P6S_UW_14]

Is able to apply typical methods to solve simple engineering problems [P6S_UW_15]

Is able to design the construction and technology of simple machine parts and design the organization of first-stage complexity production units [P6S_UW_16]

Has the ability to prepare typical written essays in Polish and a foreign language, recognized as basic for the fields of science and scientific disciplines relevant to the field of management or management engineering, regarding specific issues, using basic theoretical approaches, as well as various sources [P6S_UK_01]

Has the ability to prepare oral presentations, in Polish and in a foreign language, in the field of economic sciences and the discipline of management sciences relevant to the field of management or management engineering, concerning specific issues, using basic theoretical approaches, as well as various sources [P6S_UK_02]

Can bear responsibility for own work and jointly implemented tasks and is ready to comply with the principles of team work [P6S_UO_01]

Social competences

Recognizes the cause-and-effect relationships in achieving the objectives of preparing an engineering thesis [P6S_KK_02]

Is aware of using the system approach in creating products [P6S_KO_02]

Is prepared to implement business ventures [P6S_KO_03]

Is aware of and understands the non-technical aspects and effects of engineering activities [P6S_KR_01]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment:

- on the basis of current progress in formulating the research problem and work objectives as well as problem solving methods and work documentation

Summative assessment:

- thesis card (form) confirmed by the supervisor, submitted engineering thesis.

Programme content

Preparation of the work plan, setting the objectives of the subject and material scope of work, analysis of the literature on the subject, conducting own research, formulation of conclusions.

Teaching methods

Seminars, discussions, critical literature analysis.

Bibliography

Basic

Regulations for diploma theses and diploma exam process - www.fem.put.poznan.pl

Literature sources selected according to the issues of engineering work

Czakon W. (red.), Podstawy metodologii badań w naukach i zarządzaniu, Oficyna a Wolters Kluwer business, warszawa 2015

Additional

Wójcik K., Piszę akademicką pracę promocyjną, Placet, Warszawa 2005

Majchrzak J., Mendel T., Metodyka pisania prac magisterskich i dyplomowych, Uniwersytet Ekonomiczny, Poznań, 2009

Szkutnik Z., Metodyka pisania pracy dyplomowej, Wydawnictwo Poznańskie, Poznań 2005

Breakdown of average student's workload

	Hours	ECTS
Total workload	375	15,0
Classes requiring direct contact with the teacher	90	3,5
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) [1]	285	11,5

[1] delete or add other activities as appropriate