



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Project Management [S1AiR1E>POH1-ZP]

Course

Field of study

Automatic Control and Robotics

Year/Semester

1/1

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

English

Form of study

full-time

Requirements

elective

Number of hours

Lecture

30

Laboratory classes

0

Other

0

Tutorials

0

Projects/seminars

0

Number of credit points

4,00

Coordinators

dr hab. Yevhen Revtiuk

yevhen.revtiuk@put.poznan.pl

Lecturers

Prerequisites

The students have the basic knowledge about the economics and entrepreneurship. The students can engage in a debate, including presentation and analysis of different opinions and further discussing them.

Course objective

Preparation to the project-manager role

Course-related learning outcomes

Knowledge:

Has a basic knowledge of management, including quality management and doing business [K1_W25 (P6S_WK)].

Knows and understands the general principles of creating and developing forms of individual entrepreneurship utilising knowledge of automation and robotics [K1_W27 (P6S_WK)].

Knows and understands the fundamental dilemmas of modern civilisation related to the development of automation and robotics [K1_W28 (P6S_WK)].

Skills:

Be able to make a preliminary economic analysis of the engineering activities undertaken in the field of

automation and robotics [K1_U20 (P6S_UW)].

Can work individually and in a team; can plan and organise work - individual and in a team; can estimate the time needed to complete a given task; can prepare and carry out a work schedule ensuring that deadlines are met [K1_U30 (P6S_UO)].

Is able to plan and organise work - individual and in a team in accordance with the principles of health and safety at work [K1_U31 (P6S_UO)].

Social competences:

Is ready to think and act in an entrepreneurial way [K1_K6 (P6S_KO)].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:

Evaluation of knowledge and skills based on the written final task and homework (presentation of project).

Task consists of 4 open and 10 multiple choice test questions. Passing threshold: 50% of points.

Programme content

Defines and manages the scope of a project. Establish project governance structure Understands the concept of project management life cycle. Coaches projects managers and team.

Course topics

Defines and manages the scope of a project. Establish project governance structure (Alignment with allstakeholders; Appropriate delegation; Decision gates; Consistent and transparent reporting, Independent review). Understands the concept of project management life cycle (Initiation, Planning, Execution,Closure). Applies phase gate process to a project. Coaches projects managers and team.

Teaching methods

Multimedia presentation, illustrated with examples on the board.

Bibliography

Basic

1. Time and quality in project management / Paweł Bartoszczuk. Warszawa : Warsaw School of Economics, 2015.
2. Project management / Grażyna Leśniak-Łebkowska. Warsaw : Warsaw School of Economics, 2015.
3. Economics for business and management / Allan Griffiths, Stuart Wall (eds.) Harlow : Financial Times Prentice Hall. 2011

Additional

1. PMP® exam prep : questons, answers & explanations / Christopher Scordo. Washington : SSI Logic, 2010.
2. Resource allocation in project management / Christoph Schwindt. Berlin ; New York : Springer, 2005.
3. Project management success stories : lessons of project leaders / Alexander Laufer and Edward J.Hoffman. New York ; Chichester : John Wiley & Sons, 2000.
4. The Economics of Business/ M.Newell, Macmillian, 1996

Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,00
Classes requiring direct contact with the teacher	30	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	70	3,00