Project Management - course description

General information

Course name	Project Management
Course ID	04.2-WM-BizElP-ZarzProj-Er
Faculty	Faculty of Computer Science, Electrical Engineering and Automatics
Field of study	E-business
Education profile	practical
Level of studies	First-cycle Erasmus programme
Beginning semester	winter term 2021/2022

Course information

Semester	8
ECTS credits to win	3
Course type	obligatory
Teaching language	english
Author of syllabus	• prof. dr hab. inż. Justyna Patalas-Maliszewska

Classes forms

The class form	Hours per semester (full-time)	Hours per week (full-time)	Hours per semester (part-time)	Hours per week (part-time)	Form of assignment
Lecture	15	1	-	-	Credit with grade
Project	30	2	-	-	Credit with grade

Aim of the course

The main result of this course is to know the theoretical foundations of IT project management and project management tools. Acquiring practical knowledge in project management.

Prerequisites

Enterprise resource management. Process modeling.

Scope

The importance of IT projects for the company's strategy. IT project management methodology (classic, SCRUM). Creating project teams, project communication, resource allocation and defining the project manager role. Business process models. Implementation of project management in an enterprise - an organization with a project structure. Monitoring the progress of the project and managing changes in the project. Project risk management, analysis of project implementation schedule and budget. Project management – a case study. Tools supporting project management in an enterprise. Selected project evaluation methods (NPV, ARR, IRR, EVA). Understanding the principles of building the structure and life cycle of a project.

Project:

Definition and assumptions of IT project
Material and financial schedule of the project using MS Project
Choice of project management methodology
Modeling of business processes
Design for improvement of defined business processes
Project monitoring

Teaching methods

Lecture - conventional lecture using a video projector, presentation of a case study.

Project – practical classes in the computer laboratory

Learning outcomes and methods of theirs verification

Outcome description	Outcome symbols	Methods of verification	The class form
He/she is able to apply the acquired knowledge in the field of project management and obtain information from literature and combine the obtained results to interpret them in the form of synthetic conclusions		• Evaluation of the results of the written project	• Project

Outcome description	Outcome symbols	Methods of verification	The class form
He/she is able to analyze the processes in the field of project management, as well as identify and manage the risks associated with the implementation of the project		• Evaluation of the results of the written project	• Project
He/she is able to work both individually and in a group, carry out project work.		• Evaluation of the results of the written project	• Project
He/she has the structured knowledge of the project management.		• Written test	• Lecture
He/she is able to plan and define priorities in implemented projects.		• Evaluation of the results of the written project	• Project

Assignment conditions

Lecture - Evaluation of the results of the written test covering knowledge of the content of the subject

Project – Evaluation of the results of the written project covering knowledge of the content of the subject

Final grade = 50% of the final grade from the form of classes lecture + 50% of the final grade from the form of project.

Recommended reading

1. Patalas-Maliszewska J., Reference models of knowledge management in a production company, PWN, 2019

2. Barker, S., Cole R., Brilliant Project Management, Trans-Atlantic Publications, 2014

3. Scrum: The Art of Doing Twice the Work in Half the Time, Sutherland J.J., 2014

Further reading

Notes

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Modified by prof. dr hab. inż. Justyna Patalas-Maliszewska (last modification: 14-07-2021 11:27)