

Project Planning and Management - opis przedmiotu

Informacje ogólne	
Nazwa przedmiotu	Project Planning and Management
Kod przedmiotu	06.9-WM-MaPE-P-PPaM-23
Wydział	Wydział Mechaniczny
Kierunek	Management and Production Engineering
Profil	ogólnoakademicki
Rodzaj studiów	pierwszego stopnia z tyt. inżyniera
Semestr rozpoczęcia	semestr zimowy 2023/2024

Informacje o przedmiocie	
Semestr	6
Liczba punktów ECTS do zdobycia	4
Typ przedmiotu	obieralny
Język nauczania	angielski
Sylabus opracował	• prof. dr hab. inż. Justyna Patalas-Maliszewska

Formy zajęć					
Forma zajęć	Liczba godzin w semestrze (stacjonarne)	Liczba godzin w tygodniu (stacjonarne)	Liczba godzin w semestrze (niestacjonarne)	Liczba godzin w tygodniu (niestacjonarne)	Forma zaliczenia
Wykład	30	2	-	-	Zaliczenie na ocenę
Projekt	30	2	-	-	Zaliczenie na ocenę

Cel przedmiotu

The main effect of the course will be the knowledge about project management in the aspect of managing production enterprises.

Wymagania wstępne

Production and service management.

Zakres tematyczny

Lecture:

L1: Definition of the project and stages of its implementation The principle of creating stages of the project with the determination of control points for their implementation. Project planning in time (Gantt chart).

L2: The systematic method as the basis for a comprehensive analysis of the project on a macro and micro scale.

L3: Assessment of the market, competition, and in particular the assessment of opportunities and threats (SWOT analysis) in the implementation of the project.

L4: The principle of documenting and analyzing project implementation data.

L5: Evaluation of suppliers/recipients (Pareto principle).

L6: Analysis of the company's financial situation due to the project being implemented. Sources and the external financial capital.

L7: A business plan as - part 1.

L7: A Business plan as a tool to control the implementation of the project.

L8-L10: Analysis of the project in the context of the financial situation of the company.

L11: Managing financial resources within a project.

L12: Economic indicators for evaluating projects - part 1.

L13: The use of structural funds for the implementation of projects.

L14: IT tools supporting decision-making, implementation and control of projects

L15: Written test.

Project:

P1-P2: Development of stages of project/undertaking implementation, taking into account: market analysis, project formulation (definition, goal, tasks); project implementation; project monitoring and management

P3: Developing the scope of project implementation.

P4-P5: Analysis and evaluation (technical, economic, legal aspects, etc.) of similar already implemented projects. Development and presentation in the form of a multimedia presentation of at least one case study (Case Study).

P6-P7: Developing a concept for the implementation of the project and with the help of the SWOT analysis, justification of the adopted solution. Carrying out a feasibility study of the proposed solution.

P8-P9: Describing the scope and schedule of the project (using Gantt chart), describing the resources needed to implement the project.

P10-P11: Preparing a business plan for the described project.

P12-P13: Preparing of the project monitoring and management system, taking into account: human resource management and other resources necessary to implement the project.

P14-P15. Preparation of documentation for the purposes of project monitoring.

Metody kształcenia

Conventional lecture. Project.

Efekty uczenia się i metody weryfikacji osiągnięcia efektów uczenia się

Opis efektu	Symbole efektów	Metody weryfikacji	Forma zajęć
He/she has structured general knowledge of the basics of marketing and customer relationship management, strategic management as well as project and innovation management	K_W17	- kolokwium - projekt	- Wykład - Projekt
He/she is able to select and apply appropriate optimization methods to solve engineering tasks.	K_U14	- kolokwium - projekt	- Wykład - Projekt
He/she is able to think and work in an entrepreneurial way.	K_K06	dyskusja	- Wykład - Projekt

Warunki zaliczenia

Lecture: written test

Grade based on a written test verifying knowledge of basic issues.

Project: Elaboration of the project

The assessment is determined on the basis of the component evaluating the skills related to the implementation of the project.

The final grade is the arithmetic average of the individual forms of its implementation.

Literatura podstawowa

1. Kerzner H., Project Management: A Systems Approach to Planning, Scheduling, and Controlling, Wiley John + Sons, 2022

Literatura uzupełniająca

Uwagi

Zmodyfikowane przez prof. dr hab. inż. Justyna Patalas-Maliszewska (ostatnia modyfikacja: 30-04-2023 09:01)

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