

Project management and innovations - opis przedmiotu

Informacje ogólne	
Nazwa przedmiotu	Project management and innovations
Kod przedmiotu	06.9-WM-ZiIP-ANG-D-05_20
Wydział	Wydział Nauk Inżynieryjno-Technicznych
Kierunek	Management and Production Engineering
Profil	ogólnoakademicki
Rodzaj studiów	drugiego stopnia z tyt. magistra inżyniera
Semestr rozpoczęcia	semestr zimowy 2023/2024

Informacje o przedmiocie	
Semestr	1
Liczba punktów ECTS do zdobycia	3
Typ przedmiotu	obowiązkowy
Język nauczania	angielski
Sylabus opracował	<ul style="list-style-type: none">dr inż. Wojciech Babirecki

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
Projekt	15	1	-	-	Zaliczenie na ocenę
Wykład	15	1	-	-	Zaliczenie na ocenę

Cel przedmiotu

Acquisition of skills and competences in project management, in particular in innovative project management. Acquisition of knowledge on the nature, role and place of innovation in the processes of development. Understanding of the economic content of innovation and incentive programs for the growth of creativity. Understanding national and European pro-innovation infrastructure, programs and strategies.

Wymagania wstępne

Microeconomics, Marketing Essentials

Zakres tematyczny

Content of lectures: Project management in a general approach. Schedule and budget of a project . Managing the project team. Directions of development of the concept of project management and management through projects. Innovations. The economic content of innovation. Innovation, creativity and competitiveness. Innovation processes in enterprises. Man and organization in the innovation process - management culture, virtual organizations.The policy and strategy of business development management in terms of products and services, processes, infrastructure, environment, etc. The role of information technology in innovation. Formation and funding for innovative projects. Regional innovation strategies. The activities of regional institutions in terms of stimulating innovation processes. EU programs for innovation. Innovation strategies of Polish companies - an analysis based on case studies.

Project: Regional innovation strategies. The activities of regional institutions in terms of stimulating innovation processes. EU programs for innovation. Innovation strategies of Polish companies - an analysis based on case studies.

Metody kształcenia

Conventional lecture.

Project – individual work, group work, based on literature and the lecture notes

Efekty uczenia się i metody weryfikacji osiągania efektów uczenia się

Opis efektu	Symbole efektów	Metody weryfikacji	Forma zajęć
The student has a thoroughly extensive knowledge of the field of management in organizations	<ul style="list-style-type: none">K_W05	<ul style="list-style-type: none">kolokwium	<ul style="list-style-type: none">Wykład
The student has knowledge of quality management and business management.	<ul style="list-style-type: none">K_W20	<ul style="list-style-type: none">kolokwium	<ul style="list-style-type: none">Wykład
The student has basic knowledge regarding the protection of industrial and intellectual properties and is also able to use patented information data.	<ul style="list-style-type: none">K_W21	<ul style="list-style-type: none">bieżąca kontrola na zajęciach	<ul style="list-style-type: none">WykładProjekt
The student is able to select and use appropriate methods, in order to optimise his/ her research into the simple problems, related to Management and Mechanical Production Engineering.	<ul style="list-style-type: none">K_U14	<ul style="list-style-type: none">projekt	<ul style="list-style-type: none">Projekt

Opis efektu	Symbole efektów	Metody weryfikacji	Forma zajęć
The student is able to assess costs, both initial and estimated, of the engineering projects implemented, in order to provide a preliminary economic analysis of the engineering activities undertaken.	<ul style="list-style-type: none"> • K_U23 	<ul style="list-style-type: none"> • projekt 	<ul style="list-style-type: none"> • Projekt
The student is able to think and act both creatively and entrepreneurially.	<ul style="list-style-type: none"> • K_K06 	<ul style="list-style-type: none"> • kolokwium • odpowiedź ustna 	<ul style="list-style-type: none"> • Wykład • Projekt

Warunki zaliczenia

Lecture: graded credit

The assessment is issued based on a written test covering the verification of the knowledge of basic problems.

Project: graded credit

The assessment is determined on the basis of the component evaluating skills related to the implementation of project tasks, the prepared report and a component for the student's "defence" of the report.

Literatura podstawowa

1. Aaron J. Shenhar, Toward a typological theory of project management, Elsevier, 1996.
2. Garold D. Oberlender, Project management for Engineering and construction. McGraw Hill International edition, 2018.

Literatura uzupełniająca

1. Project Management Innovations, A Quarterly Publication of the Project Management Institute's New Product Development Specific Interest Group

Uwagi

Zmodyfikowane przez dr inż. Tomasz Belica (ostatnia modyfikacja: 12-04-2023 23:05)

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