

Re-structuring of production processes and services - course description

General information	
Course name	Re-structuring of production processes and services
Course ID	06.9-WM-ZiIP-ZPU-ANG-D-22_20
Faculty	Faculty of Mechanical Engineering
Field of study	Management and Production Engineering
Education profile	academic
Level of studies	Second-cycle studies leading to MSc degree
Beginning semester	winter term 2023/2024

Course information	
Semester	3
ECTS credits to win	2
Course type	obligatory
Teaching language	english
Author of syllabus	<ul style="list-style-type: none">prof. dr hab. inż. Josef Basl

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
Project	30	2	-	-	Credit with grade
Lecture	15	1	-	-	Credit with grade

Aim of the course

The acquisition of skills and competences in designing new production and service processes, as well as re-structuring existing ones. Mastering change management techniques.

Prerequisites

Basics of economics, Basics of management, Organisation of production systems, Modelling and simulation of production processes.

Scope

Lecture

Adjusting the organisational structure to the system and process management. The *rôle* and place of innovation in the organisational structure. Process restructuring management. Basics of designing new production and service processes. Value analysis in the restructuring of production and service processes. Re-engineering. Lean manufacturing. “*Just-in-time*”. Kaizen's philosophy in economic processes. Target costing (target costs). Outsourcing, insourcing and franchising. Benchmarking and economic intelligence in shaping production and service processes.

Project

Business system and process analysis. Re-engineering. Improving the organisational structure. Design, network, virtual and other structures. Competition and co-operation - outsourcing, insourcing, world-sourcing. Strategic alliances. Lean manufacturing. Kaizen's philosophy.

Teaching methods

Conventional lecture.

Project - individual and group work of students using the literature and notes from lectures, round table discussion and exchange of ideas.

Learning outcomes and methods of theirs verification

Outcome description	Outcome symbols	Methods of verification	The class form
The student is able to formulate and solve tasks, related to production engineering and management, applying a systemic approach while taking into account economic and innovative aspects.	<ul style="list-style-type: none">K_U17	<ul style="list-style-type: none">a project	<ul style="list-style-type: none">Project
The student knows the basic methods, techniques and tools used to solve of complex tasks of engineering-economic-social related to the functioning of companies.	<ul style="list-style-type: none">K_W18	<ul style="list-style-type: none">an evaluation test	<ul style="list-style-type: none">Lecture
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">an evaluation testan oral response	<ul style="list-style-type: none">LectureProject
The student has a thoroughly extensive knowledge of the branch of designing, organizing and managing change processes in organizations	<ul style="list-style-type: none">K_W05	<ul style="list-style-type: none">an evaluation test	<ul style="list-style-type: none">Lecture
The student has an orderly, theoretical knowledge of integrated management systems.	<ul style="list-style-type: none">K_W11	<ul style="list-style-type: none">an evaluation test	<ul style="list-style-type: none">Lecture

Assignment conditions

Lecture: Grading, on the basis of a written test, covering verification of the basic knowledge.

Project: Grading is based on the *skills assessment* component, related to the implementation of project tasks and the preparation of the report and the component for their "defence" by the student.

Final rating: the arithmetical mean of grades from individual classes.

Recommended reading

1. Durlik I.; Restrukturyzacja procesów gospodarczych. Reengineering. Teoria i praktyka., A. Wyd. Placet, Warszawa, 1998.
2. Kwieciński M.; Wywiad gospodarczy w zarządzaniu przedsiębiorstwem, PWN, Warszawa, 1999.
3. Borowiecki B., Romanowska M.; Systemy informacji strategicznej. Wywiad gospodarczy a konkurencyjność przedsiębiorstwa, PWN, Warszawa, 2001.
4. Dowżycki A., Sobolewski H. Tłuchowski W.; Restrukturyzacja, prywatyzacja i wycena przedsiębiorstwa, : Wydawnictwo A. E., Poznań, 2004.

Further reading

1. red. Lachiewicz S.; Restrukturyzacja organizacji i zasobów kadrowych przedsiębiorstwa, Oficyna ekonomiczna, Kraków, 2005.

Notes

Modified by dr inż. Tomasz Belica (last modification: 12-04-2023 23:05)

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