

Course description

Course abbreviation:	KPV/PMA	Page:	1 / 4
Course name:	Management of Industrial Enterprises		
Academic Year:	2023/2024	Printed:	03.06.2024 09:37

Department/Unit /	KPV / PMA			Academic Year	2023/2024
Title	Management of Industrial Enterprises			Type of completion	Exam
Accredited/Credits	Yes, 4 Cred.			Type of completion	Combined
Number of hours	Lecture 2 [Hours/Week] Tutorial 2 [Hours/Week]				
Occ/max	Status A	Status B	Status C	Course credit prior to	YES
Summer semester	0 / -	0 / -	0 / -	Counted into average	YES
Winter semester	220 / -	0 / -	0 / -	Min. (B+C) students	10
Timetable	Yes			Repeated registration	NO
Language of instruction	Czech, English			Semester taught	Winter semester
Optional course	Yes			Internship duration	0
Evaluation scale	1 2 3 4			Ev. sc. – cred.	S N
No. of hours of on-premise					
Auto acc. of credit	Yes in the case of a previous evaluation 4 nebo nic.				
Periodicity	K				
Substituted course	KPV/PMA*				
Preclusive courses	N/A				
Prerequisite courses	N/A				
Informally recommended courses	N/A				
Courses depending on this Course	KTO/ZSZT5				

Course objectives:

The goal of this subject is the students identification with the view of management, namely in the case of management of industrial enterprises, in the case of teambuilding and in the case of self-management.

Requirements on student

A condition for obtaining the credit is:

1. Mandatory attendance at seminars (min. 11 attendance from 13 seminars)
2. Participation in the management simulation game
3. Presentation of achieved game results
4. Submitted results report

The exam is combined - the written test and oral exam:

- written test - for successful completion it is necessary to obtain at least 45 points out of 70 possible (less than 2/3 points)
- up to 15 points can be obtained for active participation in solving problems in lectures
- in the situation of a even between the marks, the oral examination follows

Content

In the course, students will learn about issues and importance of business management in all basic areas of management, from production, logistics, people management to economics. There will be presented basic relations among mentioned areas on specific examples of industrial company management and by using a simulation game.

- 1) Introductory lecture
- 2) Business economics
- 3) Organization management of the industrial enterprise
- 4) Industrial enterprise potential and process improvement
- 5) Planning and organizing
- 6) Productivity and production management
- 7) Leadership and work motivation

- 8) Information systems and information technology in industrial enterprise
- 9) Industrial logistics I.
- 10) Personality of the manager
- 11) Communication and assertiveness
- 12) Development trends in business management
- 13) Project management, recapitulation and discussion

Fields of study

Studentům je k dispozici prostředí Moodle a Courseware, kde jsou k dispozici studijní materiály pro přednášky i cvičení.

Guarantors and lecturers

- **Guarantors:** Doc. Ing. Milan Edl, Ph.D. (100%)
- **Lecturer:** Doc. Ing. Milan Edl, Ph.D. (50%), Ing. Ilona Kačerová, Ph.D. (100%), Ing. David Krákora (100%), Ing. Filip Rybníkář (100%), Doc. Ing. Michal Šimon, Ph.D. (100%), Ing. Lukáš Veszprémi (100%)
- **Tutorial lecturer:** Ing. Tea Bajičová (100%), Ing. Matěj Dvořák (100%), Ing. Ilona Kačerová, Ph.D. (100%), Ing. David Krákora (100%), Ing. Andrea Šimerová (100%), Doc. Ing. Michal Šimon, Ph.D. (100%), Ing. Lukáš Veszprémi (100%)

Literature

- **Basic:** Váchal, Jan; Vochozka, Marek. *Podnikové řízení*. 1. vyd. Praha : Grada, 2013. ISBN 978-80-247-4642-5.
- **Basic:** Janišová, Dana; Křivánek, Mirko. *Velká kniha o řízení firmy : [praktické postupy pro úspěšný rozvoj]*. 1. vyd. Praha : Grada, 2013. ISBN 978-80-247-4337-0.
- **Extending:** Moon, Ilkyeong. *Advances in Production Management Systems. Smart Manufacturing for Industry 4.0 (anglicky)*. Springer-Verlag GmbH, 2018. ISBN 3319997068.
- **Recommended:** Tomek, Gustav; Vávrová, Věra. *Integrované řízení výroby : od operativního řízení výroby k dodavatelskému řetězci*. 1. vyd. Praha : Grada, 2014. ISBN 978-80-247-4486-5.
- **Recommended:** Čížinská Romana. *Základy finančního řízení podniku*. Praha: Grada, 2018. ISBN 978-80-271-0194-8.
- **Recommended:** Svozilová, Alena. *Zlepšování podnikových procesů*. 1. vyd. Praha : Grada, 2011. ISBN 978-80-247-3938-0.

Time requirements

All forms of study

Activities	Time requirements for activity [h]
Contact hours	52
Preparation for an examination (30-60)	40
Individual project (40)	20
Total:	112

assessment methods

Knowledge - knowledge achieved by taking this course are verified by the following means:

- Oral exam
- Test

Skills - skills achieved by taking this course are verified by the following means:

- Group presentation at a seminar
- Seminar work

Competences - competence achieved by taking this course are verified by the following means:

Oral exam

Seminar work

prerequisite

Knowledge - students are expected to possess the following knowledge before the course commences to finish it successfully:

- to know the basic terms of economics and management of the company
- to understand the basic market mechanism and production of company
- to orientate in basic issues of professional areas of the company
- to know basic (general) methods of human labor

Skills - students are expected to possess the following skills before the course commences to finish it successfully:

- to describe a market mechanism
- to describe the production, purchase and sale
- to master the basic tasks of organizing human work
- to manage the organization of your own activities

Competences - students are expected to possess the following competences before the course commences to finish it successfully:

N/A

N/A

teaching methods

Knowledge - the following training methods are used to achieve the required knowledge:

- Interactive lecture
- Skills demonstration
- Discussion
- Multimedia supported teaching
- Students' portfolio
- Project-based instruction

Skills - the following training methods are used to achieve the required skills:

- Multimedia supported teaching
- Students' portfolio
- Collaborative instruction
- Individual study
- E-learning
- Task-based study method

Competences - the following training methods are used to achieve the required competences:

- Individual study
- Task-based study method

learning outcomes

Knowledge - knowledge resulting from the course:

- to know the mechanism of people and labor management
- to describe individual areas of company management
- to know basic methods of managerial work
- to define the basic areas affecting company performance

Skills - skills resulting from the course:

- to orientate in the economic management of the company
- to understand to people's standard behavior and motivation
- to choose the right tools to improve company activities

to orientate in the management of an organization or a significant part of it

Competences - competences resulting from the course:

N/A

N/A

Course is included in study programmes:

Study Programme	Type of	Form of	Branch	Stage	St. plan v.	Year	Block	Status	R.year	R.
Engineering	Bachelor	Full-time	Automotive Industry Specialist	1	2020	2023	Compulsory courses	A	1	ZS
Engineering	Bachelor	Full-time	Programming of NC Machines	1	2020	2023	Compulsory courses	A	1	ZS
Engineering	Bachelor	Full-time	Quality Control	1	2020	2023	Compulsory courses	A	1	ZS
Mechanical Engineering	Bachelor	Full-time	Design Engineering of Power Machines and Equipment	1	2020	2023	Compulsory courses	A	1	ZS
Mechanical Engineering	Bachelor	Combined	Design Engineering of Machines and Technical Devices	1	2020	2023	Compulsory courses	A	1	ZS
Mechanical Engineering	Bachelor	Full-time	Design Engineering of Machines and Technical Devices	1	2020	2023	Compulsory courses	A	1	ZS
Mechanical Engineering	Bachelor	Combined	Engineering Materials and Manufacturing Technology	1	2020	2023	Compulsory courses	A	1	ZS
Mechanical Engineering	Bachelor	Full-time	Engineering Materials and Technology	1	2020	2023	Compulsory courses	A	1	ZS
Mechanical Engineering	Bachelor	Full-time	Industrial Engineering and Management	1	2020	2023	Compulsory courses	A	1	ZS
Mechanical Engineering	Bachelor	Full-time	Mechanical Engineering	1	2020	2023	Compulsory courses	A	1	ZS
Mechanical Engineering	Bachelor	Combined	Mechanical Engineering	1	2020	2023	Compulsory courses	A	1	ZS
Mechanical Engineering	Bachelor	Full-time	Technology of Metal Cutting	1	2020	2023	Compulsory courses	A	1	ZS
Certifikátové programy	Postgraduate Master	Full-time	Methods and Tools of Business Process Optimization	1	1	2023	Core elective courses	B		ZS