Course description

Department/Unit /	KPV / PPLA	**Academic Year**	2023/2024
Title	Practical Enterprise Logistics	**Type of completion**	Pre-Exam Credit
Accredited/Credits	Yes, 4 Cred.	**Type of completion**	
Number of hours	Tutorial 4 [Hours/Week]		

	Status A	Status B	Status C		
Occ/max				**Course credit prior to**	NO
Summer semester	0 / -	0 / -	0 / -	**Counted into average**	NO
Winter semester	0 / -	0 / -	0 / -	**Min. (B+C) students**	10
Timetable	Yes			**Repeated registration**	NO
Language of instruction	English			**Semester taught**	Winter semester
Optional course	Yes			**Internship duration**	0
Evaluation scale	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/PPL				
Preclusive courses	N/A				
Prerequisite courses	N/A				
Informally recommended courses	N/A				
Courses depending on this Course	KPV/ZSZP2				

Course objectives:

The course focuses on the following area: Practicing the main business processes ensuring the processing of offers and orders throughout the whole corporate chain

Requirements on student

Continuous assessment: fulfilment of test requirements

Content

In this course, students will practice the main business processes ensuring the processing of offers and orders throughout the business chain.

1. Examples of MRP - I.
2. Examples of MRP - II method.
3. Examples of MRP - III method.
4. Examples of MRP II - I.
5. Examples of MRP II - II method.
6. Examples of MRP II - III method.
7. Examples of TOC - I.
8. Examples of TOC - II method.
9. Examples of support in ERP - I.
10. Examples of support in ERP - II.
11. Best practices - I.
12. Practical examples - best practices - II.
13. Logistic game

https://portal.zcu.cz/StagPortletsJSR168/CleanUrl?urlid=prohlizeni-predmet-sylabus&predmetZkrPrac=KPV&predmetZkrPred=PPLA&predmetRok=2021&predmetSemestr=ZS

Fields of study

Guarantors and lecturers

- **Guarantors:** Prof. Ing. Josef Basl, CSc. (100%)
- **Tutorial lecturer:** Prof. Ing. Josef Basl, CSc. (50%), Ing. Milan Pinte, Ph.D. (50%)

Literature

- **Basic:** Taylor, G. Don. *Introduction to logistics engineering*. Boca Raton : CRC Press, 2009. ISBN 978-1-4200-8857-1.
- **Extending:** Stevenson, William J. *Operations management*. 12th global ed. Maidenhead : McGraw-Hill, 2014. ISBN 978-0-07-716952-7.
- **Recommended:** Gunn, Thomas G. *In the age of the real-time enterprise : managing for winning, business performance with, enterprise logistics management*. cop. 1994. Essex Junction : Oliver Wight, 1994. ISBN 0-939246-43-0.

Time requirements

All forms of study

Activities	Time requirements for activity [h]
Presentation preparation (report) (1-10)	12
Individual project (40)	40
Contact hours	52
Total:	104

assessment methods

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

Seminar work

Individual presentation at a seminar

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

Seminar work

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

Individual presentation at a seminar

prerequisite

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

there are no special needs to enter this subject

knowledge from management and project management is welcome.

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

there are no special skills needed to enter this subject

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:

Practicum

Field trip

Students' portfolio

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

Practicum

Field trip

Students' portfolio

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

Practicum

Field trip

learning outcomes

Knowledge - knowledge resulting from the course:

to know ICT tools for enterprise logistics support

to know methods applied in ERP solutions - MRP and MRP II methods

to know methods for effectivenss of material flow - lean sigma, value stream mapping

Skills - skills resulting from the course:

process the logistics process using IS Helios

use the value stream mapping method

use the TOC (Theory of Constraints) method

Competences - competences resulting from the course:

N/A

N/A

Course is included in study programmes: