

Course description

Course abbreviation:	KTRD/XATSO	Page:	1 / 2
Course name:	Technology of warehouse operations		
Academic Year:	2023/2024	Printed:	30.05.2024 17:56

Department/Unit /	KTRD / XATSO			Academic Year	2023/2024
Title	Technology of warehouse operations			Type of completion	Examination
Accredited/Credits	Yes, 6 Cred.			Type of completion	Combined
Number of hours	Lecture 26 [Hours/Semester] Tutorial 26 [Hours/Semester]				
Occ/max	Status A	Status B	Status C	Course credit prior to	YES
Summer semester	0 / -	0 / -	0 / -	Counted into average	YES
Winter semester	23 / -	0 / -	0 / -	Min. (B+C) students	not determined
Timetable	Yes			Repeated registration	NO
Language of instruction	Czech			Semester taught	Winter semester
Optional course	Yes			Internship duration	0
Evaluation scale	A B C D E F			Ev. sc. – cred.	S N
No. of hours of on-premise	0				
Auto acc. of credit	No				
Periodicity	K				
Substituted course	None				
Preclusive courses	KTRD/YATSO				
Prerequisite courses	N/A				
Informally recommended courses	N/A				
Courses depending on this Course	N/A				

Course objectives:

The aim of the course is to acquaint students with technologies used in warehouses for store of different kinds of materials and with basic principles for warehouse layout design.

Requirements on student

For students of the full-time study participation in an examination is conditioned by obtaining a course credit. The obtained course credit confirms that the full-time student attended the lessons in the required amount, that he/she met the requirements for acquiring the course credit and may proceed to take the examination. Conditions for acquiring the course credit are stipulated by the teacher during the first week of the semester lecture period. The examination in the subject (its form, content and duration) is determined in compliance with the Study and Examination Regulations of the University of Pardubice.

Content

1. Different kinds of warehouses.
2. Bulk material storage technology.
3. Open and covered warehouses for bulk material.
4. Piece material storage technology.
5. Shelving warehouses - types and constructions of shelving.
6. Shelving warehouses - handling ailes and safety.
7. Warehouse service by transport trucks.
8. Warehouse structure.
9. Warehouse order picking.
10. Organization and management of order picking systems.
11. Means for order picking.
12. Workers in warehouses.
13. Design and control of warehouses.

Prerequisites - other information about course preconditions

Knowledge of the basics of transport technology and traffic control.

Competences acquired

Knowledge of the principles of warehouse operations and methods of warehouse organization.

Fields of study

Šourek, D.: KTRD/XATSO - Technologie skladových operací. Kurz v LMS Moodle.

Guarantors and lecturers

- **Guarantors:** Ing. David Šourek, Ph.D. (100%)
- **Lecturer:** Ing. David Šourek, Ph.D. (100%)
- **Tutorial lecturer:** Ing. David Šourek, Ph.D. (100%)

Literature

- **Basic:** Cempírek, Václav. *Technologie ložných a skladových operací*. [Pardubice]: Institut Jana Pernera, 2007. ISBN 978-80-86530-36-9.
- **Recommended:** Gros, I. a kol. *Velká kniha logistiky*. Praha: Vysoká škola chemicko-technologická v Praze, 2016.

Teaching methods

Monologic (reading, lecture, briefing)

Assessment methods

Written examination

Course is included in study programmes:

Study Programme	Type of	Form of	Branch	Stage	St. plan v.	Year	Block	Status	R.year	R.
Transport Technology and Management	Bachelor	Full-time	Logistics	1	2023	2023	3. ročník povinné předměty	A	3	ZS
Transport Technology and Management	Bachelor	Full-time	Logistics	1	2020	2023	3. ročník povinné předměty	A	3	ZS
Transport Technology and Management	Bachelor	Full-time	Logistics	1	2021	2023	3. ročník povinné předměty	A	3	ZS
Transport Technology and Management	Bachelor	Full-time	Logistics	1	2022	2023	3. ročník povinné předměty	A	3	ZS