Course description

Department/Unit /	KTO / PP			**Academic Year**	2023/2024
Title	Thesis Related Practical Training			**Type of completion**	Pre-Exam Credit
Accredited/Credits	Yes, 2 Cred.			**Type of completion**	Practical
Number of hours	Practice 2 [Weeks/Semester]				
Occ/max	Status A	Status B	Status C	**Course credit prior to**	NO
Summer semester	0 / -	0 / -	0 / -	**Counted into average**	NO
Winter semester	18 / -	0 / -	0 / -	**Min. (B+C) students**	10
Timetable	Yes			**Repeated registration**	NO
Language of instruction	Czech			**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	None				
Preclusive courses	N/A				
Prerequisite courses	N/A				
Informally recommended courses	N/A				
Courses depending on this Course	KTO/ZSZT3, KTO/ZSZT4, KTO/ZSZT5				

Course objectives:

The thesis related practical training takes place in the enterprise which has proposed the topic for the student´s thesis. It gives the student an opportunity to gain an insight into industrial practices closely related to his/her topic. The student works under the guidance of both his/her tutor and his/her consulting specialist, seeks solutions to the given problem, evaluates them and compares them with the way in which the problem has been solved before.

Requirements on student

Written confirmation about the successful completion given by the consultant
Literature - Follow the leader and the consultant of the thesis

Content

The firt day of the practice (according the time table of the study) the student has to start until 9.00 am on the workplace (see "Command to conduct předdiplomní Practice"), working hours are the same as working time consultant.
By analyzing the current situation to begin with the thesis option, in accordance with the wording of the task, especially to specify the objectives outlined in the semester project and specify the solution method (the thesis orientation guide for exploration of the current situation is given in the scripts Němejc J. Industrial robots and robotics engineering production. Pilsen: UWB, 1999, Chapter 6.3, which is a detailed outline of the current situation analysis, to use delimiters nom for robotics, but also for other rationalization projects)
After the practice up to 3 days to submit a certificate about practise and submit the index to leader, which writes credit

Fields of study

Guarantors and lecturers

- **Guarantors:** Prof. Dr. Ing. František Holešovský (100%)
- **Tutorial lecturer:** Prof. Dr. Ing. František Holešovský (50%), Doc. Ing. Jan Řehoř, Ph.D. (50%)

Literature

- **Recommended:** *dle zadání DP.*

Time requirements

All forms of study

Activities	Time requirements for activity [h]
Practical training (number of hours)	70
Total:	**70**

assessment methods

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

Self-evaluation

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

Skills demonstration during practicum

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

Skills demonstration during practicum

prerequisite

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

ability to analyze specified technical problem including theoretical clarification

to explain the current state of knowledge of the problem solved

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

to apply theoretical knowledge from the field of study in solving specific problems

to analyze the current state of knowledge of the problem solved

to create possible solutions

choose the most appropriate solution on the basis of the chosen criteria

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

N/A

N/A

N/A

teaching methods

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

Internship

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

Internship

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

Internship

learning outcomes

Knowledge - knowledge resulting from the course:

to formulate a technical problem

to analyze the acquired knowledge and the current state of knowledge in the area of the problem solved

to explain the theoretical and practical problems of the diploma thesis

Skills - skills resulting from the course:

to use the theoretical and practical knowledge of the studied field in solving specific problems entered in the diploma thesis

to realize the acquired practical skills in solving

Communicate with expert gremi

Competences - competences resulting from the course:

N/A

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.
Machining, Additive Technology and Quality Assurance	Postgraduate Master	Full-time	Machining, Additive Technology and Quality Assurance	1	2020	2023	Compulsory courses	A	2	ZS