

Course description

Course abbreviation:	KTO/PDP	Page:	1 / 3
Course name:	Thesis Related Project		
Academic Year:	2023/2024	Printed:	03.06.2024 08:47

Department/Unit /	KTO / PDP			Academic Year	2023/2024
Title	Thesis Related Project			Type of completion	Pre-Exam Credit
Accredited/Credits	Yes, 8 Cred.			Type of completion	Combined
Number of hours	Tutorial 8 [Hours/Week]				
Occ/max	Status A	Status B	Status C	Course credit prior to	NO
Summer semester	19 / -	0 / -	0 / -	Counted into average	NO
Winter semester	0 / -	0 / -	0 / -	Min. (B+C) students	10
Timetable	Yes			Repeated registration	NO
Language of instruction	Czech			Semester taught	Summer 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	N/A				

Course objectives:

In the thesis related projects students prove their ability to apply, independently and creatively, the knowledge gained in the course of their studies. Under the guidance of their tutors they work on the theoretical part, and subsequently also on the practical part of their theses. They analyse the state of the art in the given area, present possible solutions and evaluate them. The chosen solutions are then developed further and described in detail in their theses.

Requirements on student

Requirement for credit is:

1. Active participation on the consultation for elaboration of diploma thesis.
2. Demonstration of knowledge needed to elaboration of diploma thesis.
3. To present the supervisor with diploma thesis in the required standard.

Content

Follow the instructions in the task assignment of the thesis, the methodology of elaboration and adjustment information of the thesis are available in scripts NĚMEJC, J.: A method of processing and treatment of theses. Pilsen: UWB in 2000. First, it is necessary to prepare an annotation in Czech and English, keywords and other information requested by thesis. Necessary travel outside the Plzen in case of thesis is to be arranged in advance, supervisor has to confirm the travel in writing form on a prescribed form (or can not be paid!)

Fields of study

Guarantors and lecturers

- **Guarantors:** Prof. Dr. Ing. František Holešovský (100%)
- **Tutorial lecturer:** Prof. Dr. Ing. František Holešovský (100%)

Literature

- **Recommended:** *dle zadání DP.*

Time requirements

All forms of study

Activities	Time requirements for activity [h]
E-learning (given by an e-learning course)	210
Total:	210

assessment methods

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

Individual presentation at a seminar

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

Individual presentation at a seminar

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

Continuous assessment

prerequisite

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

to explain the given technical problem based on the theoretical knowledge gained during the study

correctly and unambiguously formulate the problem for expert discussion on the basis of acquired theoretical knowledge
to demonstrate further expertise through of a separated study of theoretical knowledge

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

use one's own theoretical and practical knowledge in the field solved

propose new solutions of given problem

to analyse the level of technical solution

to acquire further professional skills based on practical experience and resource studies

to create real solutions

make a selection of the most appropriate solution on the basis of selected criteria and assessment methods

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:

Task-based study method

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

Task-based study method

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

Task-based study method

learning outcomes

Knowledge - knowledge resulting from the course:

- theoretically to justify the proposed solutions
- explain the technical and economic evaluation of the benefits of the proposed solution
- to describe computer technology and specialized software
- to acquire further professional knowledge independently by studying of the theoretical knowledge in the field
- to describe the used experimental measurements

Skills - skills resulting from the course:

- to evaluate the pros and cons of solving the problem
- defend your work before a professional commission
- to make a technical and economic evaluation of the benefits of the proposed solution
- to use one's own theoretical and practical knowledge in solving specific problems of the diploma thesis
- make the necessary experimental measurements

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	LS