

## Course description

<b>Course abbreviation:</b>	KMM/DP	<b>Page:</b>	1 / 3
<b>Course name:</b>	Thesis Tutorial		
<b>Academic Year:</b>	2023/2024	<b>Printed:</b>	03.06.2024 07:22

<b>Department/Unit /</b>	KMM / DP			<b>Academic Year</b>	2023/2024
<b>Title</b>	Thesis Tutorial			<b>Type of completion</b>	Pre-Exam Credit
<b>Accredited/Credits</b>	Yes, 4 Cred.			<b>Type of completion</b>	
<b>Number of hours</b>	Tutorial 1 [Weeks/Semester]				
<b>Occ/max</b>	Status A	Status B	Status C	<b>Course credit prior to</b>	NO
<b>Summer semester</b>	18 / -	0 / -	1 / -	<b>Counted into average</b>	NO
<b>Winter semester</b>	0 / -	0 / -	0 / -	<b>Min. (B+C) students</b>	10
<b>Timetable</b>	Yes			<b>Repeated registration</b>	NO
<b>Language of instruction</b>	Czech			<b>Semester taught</b>	Summer semester
<b>Optional course</b>	Yes			<b>Internship duration</b>	0
<b>Evaluation scale</b>	S\N				
<b>No. of hours of on-premise</b>					
<b>Auto acc. of credit</b>	Yes in the case of a previous evaluation 4 nebo nic.				
<b>Periodicity</b>	K				
<b>Substituted course</b>	KMM/DKMM				
<b>Preclusive courses</b>	N/A				
<b>Prerequisite courses</b>	N/A				
<b>Informally recommended courses</b>	N/A				
<b>Courses depending on this Course</b>	KMM/ZSZT1, KMM/ZSZT2				

### Course objectives:

In their theses students develop further the topics of their thesis related projects and use the knowledge and skills acquired in their studies and practical training to solve specific engineering problems.

### 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

Students work out diploma project according to assignment.

### Fields of study

### Guarantors and lecturers

- **Guarantors:** Prof. Ing. Ludmila Kučerová, Ph.D. (100%)
- **Tutorial lecturer:** Prof. Ing. Ludmila Kučerová, Ph.D. (100%)

### Literature

- **Recommended:** *according to assignment.*

**Time requirements****All forms of study**

Activities	Time requirements for activity [h]
E-learning (given by an e-learning course)	120
<b>Total:</b>	<b>120</b>

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

Bachelor's thesis assessment

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

Bachelor's thesis assessment

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

Defense of thesis

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

Complete all compulsory and the required number of elective courses for the curriculum.  
Describe and give a higher-level explanation of potential solutions to problems presented in the diploma thesis, present your opinion of the chosen solution.  
Present professional knowledge in at least one foreign language.  
Use computer technology and give a description of a special software.  
To pass all subjects successfully.

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

Use theoretical knowledge and practical skills in solving assigned problems in diploma thesis.  
Use computer technology with special software for solving specific problems.  
Explain and contrast the strengths and weaknesses of the chosen solution and defend the thesis before the commission.

**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:**

Project-based instruction  
One-to-One tutorial  
Self-study of literature  
Individual study

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

One-to-One tutorial  
Self-study of literature  
Individual study

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

Individual study

**learning outcomes****Knowledge - knowledge resulting from the course:**

Describe and give a comprehensive explanation of potential solutions to problems presented in the diploma thesis, present your opinion of the chosen solution..

Describe the rules of citation and publication (ISO 690) and give correct citations of the literature used.

Describe the structure and format of scientific and engineering reports.

#### **Skills - skills resulting from the course:**

Formulate a research task relating to the thesis topic.

Formulate hypotheses, critically review professional resources, choose appropriate research methods, give correct interpretation of the results, summarize and develop conclusions.

Provide relevant arguments to substantiate and evaluate own work in a professional discussion.

Be able to defend the chosen solution before the professional public.

Choose language means and style corresponding to spoken theoretical style.

#### **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.
Materials Science and Manufacturing Technology	Postgraduate Master	Full-time	Materials Science and Manufacturing Technology	1	2020	2023	Compulsory courses	A	2	LS
Materials Science and Manufacturing Technology	Postgraduate Master	Combined	Materials Science and Manufacturing Technology	1	2020	2023	Compulsory courses	A	2	LS