Course description

Department/Unit /	KTO / SPB			**Academic Year**	2023/2024	
Title	Semester Project B			**Type of completion**	Pre-Exam Credit	
Accredited/Credits	Yes, 4 Cred.			**Type of completion**		
Number of hours	Tutorial 4 [Hours/Week]					
Occ/max	Status A	Status B	Status C	**Course credit prior to**	NO	
Summer semester	0 / -	0 / -	0 / -	**Counted into average**	NO	
Winter semester	9 / -	3 / -	3 / -	**Min. (B+C) students**	10	
Timetable	Yes			**Repeated registration**	NO	
Language of instruction				**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	N/A					

Course objectives:

The semester project gives students an opportunity to use the theoretical knowledge, gained through their studies, in the solution of specific problems. It consists of the following parts:
analysis of the state of the art in the given area, presentation of possible solutions and detailed description of the chosen one.

Requirements on student

The course is focused on working out a particular basic part of the diploma work under the leadership of the work supervisor. This is usually done through individual tuition offered to a student by his work supervisor.

Content

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Fields of study

Guarantors and lecturers

- **Guarantors:** Doc. Ing. Helena Zídková, Ph.D. (100%)
- **Tutorial lecturer:** Ing. Jaroslava Fulemová, Ph.D. (100%), Ing. Jan Hnátík, Ph.D. (100%), Doc. Ing. Martin Melichar, Ph.D. (100%), Ing. Václava Pokorná (100%), Ing. Josef Sklenička, Ph.D. (100%), Ing. Jiří Vyšata, Ph.D. (100%), Doc. Ing. Miroslav Zetek, Ph.D. (100%), Doc. Ing. Ivana Zetková, Ph.D. (100%), Doc. Ing. Helena Zídková, Ph.D. (100%)

Literature

- **Basic:** *Literatura bude uvedena dle zadání projektu..*

Time requirements

All forms of study

Activities	Time requirements for activity [h]
Contact hours	52
Individual project (40)	58
Presentation preparation (report) (1-10)	10
Total:	**120**

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:

Project

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

Project

prerequisite

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

- prokázat další odborné znalosti samostatným studiem teoretických poznatků strojírenského základu

vysvětlit získané teoretické znalosti ze studovaného základu a ze svého odborného zaměření potřebné pro řešení zadaného technického problému

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

Apply the acquired knowledge
suggest possible solutions to the problem being investigated

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:

Individual study

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

Self-study of literature

One-to-One tutorial

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

Self-study of literature

learning outcomes

Knowledge - knowledge resulting from the course:

describe the relevant technical problem

Analyze the relevant technical problem

Skills - skills resulting from the course:

design a new variant solution to the problem

formulate a comprehensible technical idea

zpracovat technickou zprávu dle předepsaných kritérií

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.
Engineering	Bachelor	Full-time	Programming of NC Machines	1	2020	2023	Povinné předměty 4. ročníku	A	4	ZS
Engineering	Bachelor	Full-time	Quality Control	1	2020	2023	Povinné předměty 4. roč.	A	4	ZS
Mechanical Engineering	Bachelor	Full-time	Technology of Metal Cutting	1	2020	2023	Compulsory courses	A	3	ZS
Mechanical Engineering	Bachelor	Combined	Engineering Materials and Manufacturing Technology	1	2020	2023	Povinně volitelné před. 3.roč. ZÁVĚR STUDIA	B	3	ZS