

Course description

Course abbreviation:	KPV/SPB	Page:	1 / 3
Course name:	Semester Project		
Academic Year:	2023/2024	Printed:	03.06.2024 08:34

Department/Unit /	KPV / SPB			Academic Year	2023/2024
Title	Semester Project			Type of completion	Pre-Exam Credit
Accredited/Credits	Yes, 4 Cred.			Type of completion	
Number of hours	Seminar 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	10 / -	0 / -	18 / -	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	N/A				

Course objectives:

The goal is to equip students on Bachelor's degree programmes with the basic skills needed for analyzing and solving specific technical problems, teach them to work with the literature, search for relevant information, sort it and apply it to specified issues.

Requirements on student

Submitting of semestral work within the specified range and form, defending the work before the technical community.

Content

Student write up the designated basic part of the bachelor thesis under the guidance of the supervisor. The course takes the form of individual consultations provided to the student mainly by the bachelor thesis supervisor.

Fields of study

Guarantors and lecturers

- **Guarantors:** Doc. Ing. Milan Edl, Ph.D. (100%)
- **Tutorial lecturer:** Ing. Tea Bajičová (100%), Prof. Ing. Josef Basl, CSc. (100%), Ing. Miroslav Bednár (100%), Ing. Tomáš Broum, Ph.D. (100%), Ing. Marek Bureš, Ph.D. (50%), Ing. Matěj Dvořák (100%), Doc. Ing. Milan Edl, Ph.D. (50%), Doc. Ing. Petr Hořejší, Ph.D. (100%), Ing. Ilona Kačerová, Ph.D. (100%), Doc. Ing. Pavel Kopeček, CSc. (100%), Ing. David Krákora (100%), Ing. Matěj Krňoul (100%), Ing. Jan Kubr (100%), Mgr. Ing. Alena Lochmannová, Ph.D. et Ph.D., MBA (100%), Ing. Tomáš Macháč (100%), Ing. Bc. Miroslav Malaga, Ph.D. (100%), Ing. Jakub Müller (100%), Ing. Milan Pinte, Ph.D. (100%), Doc. Ing. Pavel Raška, Ph.D. (100%), Ing. Filip Rybníkář (100%), Ing. Andrea Šimerová (100%), Doc. Ing. Michal Šimon, Ph.D. (100%), Doc. Ing. Zdeněk Ulrych, Ph.D. (100%), Ing. Lukáš Veszprémi (100%), Ing. Pavel Vránek (100%), Ing. David Ženíšek (100%)

Literature

- **Basic:** *dle zadání SPB.*

Time requirements**All forms of study**

Activities	Time requirements for activity [h]
Contact hours	52
Individual project (40)	50
Presentation preparation (report) (1-10)	10
Total:	112

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

Individual presentation at a seminar
 Seminar work
 Continuous assessment
 Project

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

Skills demonstration during practicum
 Continuous assessment
 Project

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

explain the theoretical knowledge related to study background and related to own specialization that is necessary for solving given technical problem
 obtain further professional knowledge by independent study of theoretical knowledge of mechanical engineering basis

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

use own knowledge of the studied specialization in solving specific problems

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

One-to-One tutorial
 Project-based instruction
 Interactive lecture
 Task-based study method
 Internship

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

Lecture
 Project-based instruction
 Task-based study method
 Individual study
 Internship

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

explain possible solutions of specific problem

Skills - skills resulting from the course:

analyze specific technical problem

process the information obtained

formulate clearly the technical idea

propose new alternative solutions of the given problem

Course is included in study programmes:

Study Programme	Type of	Form of	Branch	Stage	St. plan v.	Year	Block	Status	R.year	R.
Mechanical Engineering	Bachelor	Full-time	Industrial Engineering and Management	1	2020	2023	Compulsory courses	A	3	ZS