

Course description

Course abbreviation:	KPV/ZBSZ	Page:	1 / 3
Course name:	Final State Examination		
Academic Year:	2023/2024	Printed:	03.06.2024 07:57

Department/Unit /	KPV / ZBSZ			Academic Year	2023/2024
Title	Final State Examination			Type of completion	State Final Exam
Accredited/Credits	Yes, 0 Cred.			Type of completion	
Number of hours					
Occ/max	Status A	Status B	Status C	Course credit prior to	NO
Summer semester	8 / -	0 / -	17 / -	Counted into average	YES
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	1 2 3 4				
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 objectives are to test the knowledge of students and their expectations of independent creative technical work.

Requirements on student

Acquire a minimum of 180 credits, submission of bachelor thesis

Content

Defence of the bachelor thesis is immediately followed by a discussion during which the student demonstrate own ability to solve technical problems in fundamental areas of mechanical engineering (materials, design, technology, planning, economics and management of industrial production).

Fields of study

Guarantors and lecturers

- **Guarantors:** Doc. Ing. Michal Šimon, Ph.D. (100%)
- **Lecturer:** Doc. Ing. Michal Šimon, Ph.D. (100%)
- **Tutorial lecturer:** Doc. Ing. Michal Šimon, Ph.D. (100%)
- **Seminar lecturer:** Doc. Ing. Michal Šimon, Ph.D. (100%)

Literature

- **Basic:** *dle studijních předmětů odpovídajícím jednotlivým oblastem odborné rozpravy.*

Time requirements

All forms of study

Activities	Time requirements for activity [h]
Individual project (40)	1
Total:	1

assessment methods

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

- Oral exam
- Bachelor's thesis assessment
- Defense of thesis

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

- Bachelor's thesis assessment
- Oral exam
- Defense of thesis
- Individual presentation at a seminar

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

- Individual presentation at a seminar

prerequisite

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

- explain problems solutions in BT and have own opinion on their solution
- explain obtained theoretical knowledge from the studied mechanical engineering base and from own specialization

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

- choose adequate arguments to justify and evaluate the results of own BT in a professional discussion
- defend own BT to the expert committee

teaching methods

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

- Self-study of literature
- Students' portfolio
- One-to-One tutorial
- Task-based study method
- Individual study

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

- Self-study of literature
- Students' portfolio
- One-to-One tutorial
- Individual study

learning outcomes

Knowledge - knowledge resulting from the course:

- explain the key knowledge of the studied specialization
- put the key knowledge of the studied specialization in the context

justify individual characteristics of the analyzed problem

explain technical problems solutions

have own opinion on technical problems solutions

Skills - skills resulting from the course:

defend own opinions to the expert committee

apply key knowledge to solve real problems from industrial practice

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	LS