

## Course description

<b>Course abbreviation:</b>	KKS/ZSZ	<b>Page:</b>	1 / 3
<b>Course name:</b>	Discussion on the given field of study		
<b>Academic Year:</b>	2023/2024	<b>Printed:</b>	03.06.2024 08:32

<b>Department/Unit /</b>	KKS / ZSZ			<b>Academic Year</b>	2023/2024
<b>Title</b>	Discussion on the given field of study			<b>Type of completion</b>	State Final Exam
<b>Accredited/Credits</b>	Yes, 0 Cred.			<b>Type of completion</b>	
<b>Number of hours</b>				<b>Course credit prior to</b>	NO
<b>Occ/max</b>	Status A	Status B	Status C	<b>Counted into average</b>	YES
<b>Summer semester</b>	19 / -	0 / -	1 / -	<b>Min. (B+C) students</b>	10
<b>Winter semester</b>	0 / -	0 / -	0 / -	<b>Repeated registration</b>	NO
<b>Timetable</b>	Yes			<b>Semester taught</b>	Summer semester
<b>Language of instruction</b>	Czech			<b>Internship duration</b>	0
<b>Optional course</b>	Yes				
<b>Evaluation scale</b>	1 2 3 4				
<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>	KKS/ZSZK4				
<b>Preclusive courses</b>	N/A				
<b>Prerequisite courses</b>	KKS/KPP or KKS/KPPA and KKS/IC and KKS/KVS or KKS/KVSA				
<b>Meet all prerequisites before registering</b>	NO				
<b>Informally recommended courses</b>	N/A				
<b>Courses depending on this Course</b>	N/A				

### Course objectives:

To examine and evaluate the student by the state examination board.

### Requirements on student

Fulfilment of the required number of credits and passover of the thesis in data and time.

### Content

Public exam with governmental commission. The student demonstrates the ability to solve technician problems in the basic fields of machinery engineering on the magister level.

### Fields of study

### Guarantors and lecturers

- **Guarantors:** Prof. Ing. Václava Lašová, Ph.D. (100%)
- **Tutorial lecturer:** Doc. Ing. Jan Hlaváč, Ph.D. (100%), Doc. Ing. Zdeněk Hudec, CSc. (100%), Doc. Ing. Jaroslav Krátký, Ph.D. (100%), Doc. Ing. Václav Kubec, Ph.D. (100%), Prof. Ing. Václava Lašová, Ph.D. (100%)
- **Seminar lecturer:** Prof. Ing. Václava Lašová, Ph.D. (100%)

### Literature

- **Basic:** Hosnedl, Stanislav; Krátký, Jaroslav. *Příručka strojního inženýra : obecné strojní části. 1, Spoj, otočná uložení, hřídelové spojky, akumulátory mechanické energie*. Praha : Computer Press, 1999. ISBN 80-7226-055-3.
- **Basic:** Hosnedl, Stanislav; Krátký, Jaroslav. *Příručka strojního inženýra : obecné strojní části. 2, Převodové mechanismy*. Praha : Computer Press, 2000. ISBN 80-7226-202-5.
- **Extending:** Čechura, Milan; Staněk, Jiří. *Nové možnosti a trendy v konstrukci velkých hydraulických lisů*. Mezinárodní vědecká konference ISBN 80-7078-795-3 . 2000.
- **Extending:** Douda, Pavel; Heptner, Tomáš; Kolář, Josef. *Pozemní dopravní prostředky*. Praha : ČVUT, 1996. ISBN 80-01-01475-4.
- **Extending:** Michalec, Jiří. *Pružnost a pevnost I*. Vyd. 2. Praha : Vydavatelství ČVUT, 2001. ISBN 80-01-02359-1.
- **Extending:** Sova, F. *Technologie obrábění a montáže*. VŠSE Plzeň, 1983.
- **Extending:** Horejc, Jan. *Základy managementu průmyslových podniků*. 2. vyd. Plzeň : Západočeská univerzita, 2003. ISBN 80-7043-239-X.
- **Recommended:** Dostál, Josef; Heller, Petr. *Kolejová vozidla I*. V Plzni : Západočeská univerzita, 2007. ISBN 978-80-7043-520-5.
- **Recommended:** Základy stavby obráběcích strojů (Lašová, Václava) - [http://www.zcu.cz/pracoviste/vyd/online/Zaklady\\_stavby.pdf](http://www.zcu.cz/pracoviste/vyd/online/Zaklady_stavby.pdf) >

### Time requirements

#### All forms of study

Activities	Time requirements for activity [h]
Preparation for an examination (30-60)	20
<b>Total:</b>	<b>20</b>

### assessment methods

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

Oral exam

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

Oral exam

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

Oral exam

### prerequisite

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

The graduation of the compulsory and elective subjects according to the study plan, elaboration of the diploma work.  
to describe and explain problems in the field of production machines, engineering technology and elastic body mechanics

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

identify problems in the field of production machines, engineering technology and elastic body mechanics and propose their solutions

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

N/A

### teaching methods

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

Self-study of literature

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

Self-study of literature

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

Self-study of literature

**learning outcomes**

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

Passing this examination gives a capability to the graduate to gain a title Ing.

explain and defend the problems of production machines, engineering technology and elastic body mechanics

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

explain and evaluate the pros and cons of a problem and be able to defend their views before an expert committee

defend the proposed solution within the DP before the expert committee

**Competences - competences resulting from the course:**

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.
Design Engineering of Machines and Technical Devices	Postgraduate Master	Full-time	Design Engineering of Health and Cooperative Technology	1	2020	2023	Compulsory courses	A	2	LS
Design Engineering of Machines and Technical Devices	Postgraduate Master	Combined	Design Engineering of Health and Cooperative Technology	1	2020	2023	Compulsory courses	A	2	LS
Design Engineering of Machines and Technical Devices	Postgraduate Master	Full-time	Design Engineering of Manufacturing Machines and Equipment	1	2020	2023	Compulsory courses	A	2	LS
Design Engineering of Machines and Technical Devices	Postgraduate Master	Combined	Design Engineering of Manufacturing Machines and Equipment	1	2020	2023	Compulsory courses	A	2	LS
Design Engineering of Machines and Technical Devices	Postgraduate Master	Full-time	Design Engineering of Vehicles and Handling Machinery	1	2020	2023	Compulsory courses	A	2	LS
Design Engineering of Machines and Technical Devices	Postgraduate Master	Combined	Design Engineering of Vehicles and Handling Machinery	1	2020	2023	Compulsory courses	A	2	LS