

Course description

Course abbreviation:	KKS/ZPZT	Page:	1 / 2
Course name:	Final project of princip. healt tech.		
Academic Year:	2023/2024	Printed:	06.07.2025 02:24

Department/Unit /	KKS / ZPZT			Academic Year	2023/2024
Title	Final project of princip. healt tech.			Type of completion	Final Thesis Defense
Long Title	Final project of principles health techniques			Type of completion	Combined
Accredited/Credits	Yes, 4 Cred.			Course credit prior to	No
Number of hours	Tutorial 4 [Hours/Week]			Counted into average	YES
Occ/max	Status A	Status B	Status C	Min. (B+C) students	10
Summer semester	0 / -	0 / -	0 / -	Repeated registration	NO
Winter semester	0 / -	0 / -	0 / -	Semester taught	Winter, Summer
Timetable	Yes			Internship duration	0
Language of instruction	Czech				
Optional course	Yes				
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	every year				
Specification periodicity					
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 aim of this course is solving of the final design project according to submission of topic.

Requirements on student

Active attendance; Processing final certificate work in corresponding quality and term; Vindicate the final work.

Content

This final project continuations on acquired knowledge from study and extends of knowledge about technical systems used in health technology. In this course is important check of theoretical knowledge from different branch and obtaining acquirements for applied technical systems and development a new mechatronics systems and instruments for medical using.

Fields of study

Guarantors and lecturers

- **Guarantors:** doc. Ing. Josef Formánek, Ph.D. (100%)
- **Tutorial lecturer:** doc. Ing. Josef Formánek, Ph.D. (100%)

Literature

- **Recommended:** *Literatura dle zadání závěrečné práce.*

Time requirements**All forms of study**

Activities	Time requirements for activity [h]
Individual project (40)	40
Preparation for an examination (30-60)	55
Presentation preparation (report) (1-10)	12
Total:	107

assessment methods

Knowledge - knowledge 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:

Encompassment of all required subject for project development on field of study.

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:

Individual study

learning outcomes

Knowledge - knowledge resulting from the course:

Capability oneself work-up the project of larger size at submission topic and important check of theoretical knowledge from different branch.

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.
Certifikátové programy	Postgraduate Master	Full-time	Application of mechatronics in health technology	1	1	2023	Povinné předměty	A		LS