

## Course description

<b>Course abbreviation:</b>	KKS/ZPZT	<b>Page:</b>	1 / 2
<b>Course name:</b>	Final project of princip. healt tech.		
<b>Academic Year:</b>	2023/2024	<b>Printed:</b>	03.06.2024 09:18

<b>Department/Unit /</b>	KKS / ZPZT			<b>Academic Year</b>	2023/2024
<b>Title</b>	Final project of princip. healt tech.			<b>Type of completion</b>	Final Thesis Defense
<b>Long Title</b>	Final project of principles health techniques			<b>Type of completion</b>	Combined
<b>Accredited/Credits</b>	Yes, 4 Cred.			<b>Course credit prior to</b>	NO
<b>Number of hours</b>	Tutorial 4 [Hours/Week]			<b>Counted into average</b>	YES
<b>Occ/max</b>	Status A	Status B	Status C	<b>Min. (B+C) students</b>	10
<b>Summer semester</b>	0 / -	0 / -	0 / -	<b>Repeated registration</b>	NO
<b>Winter semester</b>	0 / -	0 / -	0 / -	<b>Semester taught</b>	Winter, Summer
<b>Timetable</b>	Yes			<b>Internship duration</b>	0
<b>Language of instruction</b>	Czech				
<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>	None				
<b>Preclusive courses</b>	N/A				
<b>Prerequisite courses</b>	N/A				
<b>Informally recommended courses</b>	N/A				
<b>Courses depending on this Course</b>	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
<b>Total:</b>	<b>107</b>

**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