

## Course description

<b>Course abbreviation:</b>	KIV/PRJ5	<b>Page:</b>	1 / 3
<b>Course name:</b>	Semester Project 5		
<b>Academic Year:</b>	2023/2024	<b>Printed:</b>	09.07.2025 19:45

<b>Department/Unit /</b>	KIV / PRJ5			<b>Academic Year</b>	2023/2024
<b>Title</b>	Semester Project 5			<b>Type of completion</b>	Pre-Exam Credit
<b>Accredited/Credits</b>	Yes, 5 Cred.			<b>Type of completion</b>	
<b>Number of hours</b>					
<b>Occ/max</b>	Status A	Status B	Status C	<b>Course credit prior to</b>	No
<b>Summer semester</b>	0 / -	0 / -	0 / -	<b>Counted into average</b>	NO
<b>Winter semester</b>	40 / -	0 / -	0 / 5	<b>Min. (B+C) students</b>	10
<b>Timetable</b>	Yes			<b>Repeated registration</b>	NO
<b>Language of instruction</b>	Czech, English			<b>Semester taught</b>	Winter semester
<b>Optional course</b>	Yes			<b>Internship duration</b>	0
<b>Evaluation scale</b>	S N				
<b>No. of hours of on-premise</b>					
<b>Auto acc. of credit</b>	No				
<b>Periodicity</b>	every year				
<b>Specification periodicity</b>					
<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 goal of the subject is a support of an individual creative work of students during creating the technical work.

### Requirements on student

Defending the results of the preparatory phase of the project and defending clearly formulated tasks for further elaboration of the project and its completion.

A student can receive up to 100 points for a successfully completed project.

The recommended parts of the evaluation are (maximum number of points in brackets):

1. (20) own activity during processing (student has includes his own ideas into the project solution)
2. (50) technical quality (a program fulfils requirements, information is relevant, etc.)
3. (30) form of processing (documentation is useful, best coding practice is used)

Depending on the nature of the work, the professional supervisor may also set other evaluation criteria.

### Content

Students receive an individual task from various spheres of computer science and engineering and solve them under supervision of a skilled technical manager. Students focus on an analysis of a problem, a proposal of a solution, checking out of a quality of the solution, an implementation and defending of the projects. Students follow instructions which describe requirements of parts of projects that are handed in electronically.

## Fields of study

## Guarantors and lecturers

- **Guarantors:** doc. Ing. Roman Mouček, Ph.D. (100%)
- **Tutorial lecturer:** doc. Ing. Roman Mouček, Ph.D. (100%)
- **Seminar lecturer:** doc. Ing. Roman Mouček, Ph.D. (100%)

## Literature

- **Basic:** *Dle doporučení vedoucího projektu./ As recommended by the project guarantor..*

## Time requirements

## All forms of study

Activities	Time requirements for activity [h]
Presentation preparation (report) (1-10)	10
Individual project (40)	120
<b>Total:</b>	<b>130</b>

## assessment methods

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

Project

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

Individual presentation at a seminar

Project

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

Project

Individual presentation at a seminar

## prerequisite

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

Knowledge from mandatory and mandatory selected subjects from existing bachelor study.

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

Knowledge from mandatory and mandatory selected subjects from existing bachelor study.

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

N/A

N/A

N/A

N/A

N/A

## teaching methods

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

Project-based instruction

Textual studies

Self-study of literature

One-to-One tutorial

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

Individual study

Task-based study method

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

One-to-One tutorial

**learning outcomes**

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

synthesis of existing knowledge and acquisition of specific expertise when creating a large-scale technical work

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

creating brief technical documentation

implementation of large-scale technical work

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

N/A

N/A

- independently acquire additional professional knowledge, skills and competences on the basis of mainly practical experience and its evaluation, but also by independent study of theoretical knowledge in the field

- clearly and convincingly communicate to experts and non-experts information about the nature of professional problems and their own opinion on their solution

**Course is included in study programmes:**

Study Programme	Type of	Form of	Branch	Stage	St. plan v.	Year	Block	Status	R.year	R.
Computer Science and Engineering	Bachelor	Full-time	Computer Science and Engineering	1	2019	2023	Povinné předměty	A	3	ZS
Computer Science and Engineering	Bachelor	Full-time	Computer Science and Engineering	1	2022	2023	Povinné předměty	A	3	ZS
Computer Science and Engineering	Bachelor	Full-time	Computer Science and Engineering	1	2019	2023	Povinné předměty	A	3	ZS
Computer Science and Engineering	Bachelor	Full-time	Information Systems	1	2018	2023	Povinné předměty	A	3	ZS
Computer Science and Engineering	Bachelor	Full-time	Information Technologies	1	2018	2023	Oborové předměty - povinné	A	3	ZS
Informační systémy	Bachelor	Full-time	Informační systémy	1	2022 akr	2023	Povinné předměty	A	3	ZS
Informační systémy	Bachelor	Full-time	Informační systémy	1	2023	2023	Povinné předměty	A	3	ZS
Software Engineering	Bachelor	Full-time	Softwarové inženýrství	1	2023	2023	Povinné předměty	A	3	ZS