

Course description

Course abbreviation:	KIV/UVSI	Page:	1 / 3
Course name:	Introduction to the Study of Informatics		
Academic Year:	2023/2024	Printed:	01.06.2024 12:01

Department/Unit /	KIV / UVSI			Academic Year	2023/2024
Title	Introduction to the Study of Informatics			Type of completion	Pre-Exam Credit
Accredited/Credits	Yes, 2 Cred.			Type of completion	Combined
Number of hours	Lecture 2 [Hours/Week]				
Occ/max	Status A	Status B	Status C	Course credit prior to	NO
Summer semester	0 / -	0 / -	0 / -	Counted into average	NO
Winter semester	92 / -	87 / -	1 / -	Min. (B+C) students	not determined
Timetable	Yes			Repeated registration	NO
Language of instruction	Czech			Semester taught	Winter semester
Optional course	Yes			Internship duration	0
Evaluation scale	S\N				
No. of hours of on-premise	0				
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 aim of the course is to explain to students the study programs in Informatics, to explain the recommended course of study, to acquaint students with the connection of study content to the present and history of the discipline, ethical aspects and general requirements of study programs. The purpose is to facilitate students entry into higher education and to strengthen their motivation and capabilities to its successful completion.

Requirements on student

- elaboration of an individual project
- obtaining at least 60% of points from the credit test

Content

1. Organization of the university and university studies, the role of science, research and education at universities.
- 2-3. Organization and context of study programs in Informatics, recommended study plans and their inner interconnection, graduation.
4. Teaching and learning methods in informatics.
5. Study problems in informatics and examples of their solution.
- 6.-7. Technical documentation and presentation in informatics courses.
- 8.-10. History, present and future of informatics.
11. Ethics in informatics. Information sources in informatics.
12. Revision lesson.
13. Test.

Fields of study

Guarantors and lecturers

- **Guarantors:** Doc. Ing. Roman Mouček, Ph.D.
- **Lecturer:** Doc. Ing. Roman Mouček, Ph.D. (100%)

Literature

- **Basic:** Šolcová, Alena. *Kapitoly z historie matematiky a informatiky*. 1. vydání. 2017. ISBN 978-80-01-06092-6.
- **Extending:** Learning How to Learn (Barbara Oakley, Terrence Sejnowski) - <https://www.coursera.org/learn/learning-how-to-learn> >

Time requirements

All forms of study

Activities	Time requirements for activity [h]
Presentation preparation (report) (1-10)	6
Preparation for comprehensive test (10-40)	10
Individual project (40)	10
Contact hours	26
Total:	52

assessment methods

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

Test

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

Individual presentation at a seminar

Peer evaluation of students

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

Test

Individual presentation at a seminar

Peer evaluation of students

prerequisite

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

- no expertise required

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

- no professional skills required

teaching methods

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

Lecture supplemented with a discussion

Interactive lecture

Task-based study method

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

Students' portfolio

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

Lecture supplemented with a discussion

Interactive lecture

Task-based study method

Students' portfolio

learning outcomes

Knowledge - knowledge resulting from the course:

- to be familiar with study programs in the Informatics field of education,
- to understand the organization of the university, the purpose and goals of university studies,
- to know the historical context and current trends in informatics,
- to be familiar with ethical aspects of informatics,
- to be familiar with information sources for informatics,
- to know the general requirements occurring in informatics courses

Skills - skills resulting from the course:

- draw up a study plan with regard to one's own motivation to study,
- document and present the result of their work

Competences - competences resulting from the course:

N/A

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.
Informační systémy	Bachelor	Full-time	Informační systémy	1	2022 akr	2023	Povinné předměty	A	1	ZS
Informační systémy	Bachelor	Full-time	Informační systémy	1	2023	2023	Povinné předměty	A	1	ZS
Software Engineering	Bachelor	Full-time	Softwarové inženýrství	1	2023	2023	Povinné předměty	A	1	ZS
Informatika	Bachelor	Full-time	Počítačové vědy	1	2023	2023	Skupina 2	B	1	ZS