

Course description

Course abbreviation:	KI/MAI2	Page:	1 / 2
Course name:	Mathematics for Informatics II		
Academic Year:	2014/2015	Printed:	29.03.2024 15:54

Department/Unit /	KI / MAI2			Academic Year	2014/2015
Title	Mathematics for Informatics II			Type of completion	Exam
Accredited/Credits	No, 5 Cred.			Type of completion	Combined
Number of hours	Přednáška 2 [HOD/TYD] Cvičení 2 [HOD/TYD]			Course credit prior to	YES
Occ/max	Status A	Status B	Status C	Counted into average	YES
Summer semester	0 / -	0 / -	0 / -	Min. (B+C) students	not determined
Winter semester	0 / -	0 / -	0 / -	Repeated registration	NO
Timetable	Yes			Semester taught	Winter, Summer
Language of instruction	Czech, English			Internship duration	0
Optional course	Yes			Ev. sc. – cred.	S N
Evaluation scale	1 2 3 4				
No. of hours of on-premise					
Auto acc. of credit	No				
Periodicity	K				
Substituted course	KI/MAT4				
Preclusive courses	N/A				
Prerequisite courses	KI/MAI1				
Meet all prerequisites before registering					NO
Informally recommended courses	N/A				
Courses depending on this Course	N/A				

Course objectives:

Requirements on student

Content

1. Limit and continuity of function of more variables
2. Partial derivative, Taylor expansion
3. Curves, surfaces, volume integral, surface integral (of vector, scalar)
4. Curvilinear integral (of vector, scalar)
5. Green theorem, applications

Prerequisites - other information about course preconditions

Teaching in English is meant only for erasmus and foreign students. In the case of a small number of students is teaching in a form of individual consultations.

Competences acquired

Fields of study

Guarantors and lecturers

- **Guarantors:** doc. RNDr. Jiří Felcman, CSc. (100%)
- **Lecturer:** doc. RNDr. Jiří Felcman, CSc. (100%), RNDr. Jiří Škvor, Ph.D. (100%)
- **Tutorial lecturer:** RNDr. Jiří Škvor, Ph.D. (100%)

Literature

Teaching methods

Assessment methods

Course is included in study programmes:

Study Programme	Type of	Form of	Branch	Stage	St. plan v.	Year	Block	Status	R.year	R.
Applied Informatics	Bachelor	Full-time	Information Systems	1	A8	2014	Povinné předměty	A	2	LS
Applied Informatics	Bachelor	Full-time	Information Systems	1	A11	2014	Povinné předměty	A	2	LS