

# Course description

<b>Course abbreviation:</b>	KMA/FIM	<b>Page:</b>	1 / 2
<b>Course name:</b>	Financial Mathematics		
<b>Academic Year:</b>	2023/2024	<b>Printed:</b>	30.06.2025 23:02

<b>Department/Unit /</b>	KMA / FIM			<b>Academic Year</b>	2023/2024
<b>Title</b>	Financial Mathematics			<b>Type of completion</b>	State Final Exam
<b>Long Title</b>	Mathematics for Finance				
<b>Accredited/Credits</b>	Yes, 0 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>	YES
<b>Winter semester</b>	0 / -	0 / -	0 / -	<b>Min. (B+C) students</b>	1
<b>Timetable</b>	Yes			<b>Repeated registration</b>	NO
<b>Language of instruction</b>	Czech			<b>Semester taught</b>	Winter, Summer
<b>Optional course</b>	Yes			<b>Internship duration</b>	0
<b>Evaluation scale</b>	1 2 3 4				
<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 aim of the final state examination is to verify that a student successfully passed the part of the degree course given by prerequisites, that he/she can actively use and apply mathematical methods and knowledge of part given by prerequisites, that he/she gained the necessary expert skills and knowledge to move into professional practice, or to further studies. In addition, presentation and argumentation skills are also aimed.

## Requirements on student

All assessment tasks will assess the learning outcomes, especially, the ability to provide logical and coherent proofs of theoretical results, solve problems via abstract methods and apply correctly formal and rigorous competency in mathematical presentation.

## Content

Final state examination the oral examination in front of the jury and the usual duration is approximately 30-45 minutes. The rules are given by the Department of Mathematics according to the Study and Examination statuses of the Faculty of Applied Sciences and the University of West Bohemia. Main topics of this examination are announced by the Department of mathematics annually. Content is given by prerequisites.

## Fields of study

## Guarantors and lecturers

- **Guarantors:** RNDr. Blanka Šedivá, Ph.D. (100%)

## Literature

- **Recommended:** *- . Literatura je dána literaturou podmiňujících předmětů a doporučením garanta oboru./ Literature as given by the conditional courses and recommended by the course guarantor..*

#### assessment methods

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

Oral exam

#### prerequisite

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

A student may take the final exam after he/she has met all requirements given in the curriculum design of the appropriate study filed set up by the Department of Mathematics and all rules contained in the Study and Examination state of the University of West Bohemia.

#### learning outcomes

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

Completion of this course will ensure that students obtained knowledge, skills and competences in accordance with requirements of the corresponding study programme and a particular field of study.

**Course is included in study programmes:**