

UP FAMNIT

STUDY PROGRAMME: **MATHEMATICAL SCIENCES** (2nd bologna cycle), in **English**

COMPULSORY AND ELECTIVE COURSE IN THE ACADEMIC YEAR **2025/26**

Published: 6 November 2025

Last change: 7 November 2025

COURSE	ECTS CREDITS	BASIC COURSE FOR THE STUDY FIELD	POSSIBLE TO CHOOSE AS	COURSE LEADER	LANGUAGE	SEMESTER
BASIC COURSES						
Selected Topics in Algebra I	6	GENERAL MATHEMATICS, CRYPTOGRAPHY	BC, IS, ES	Edward Tauscher Dobson	English	autumn
Selected Topics in Analysis I	6	GENERAL MATHEMATICS, CRYPTOGRAPHY	BC, IS, ES	Jasna Prezelj	English	autumn
Selected Topics in Functional Analysis	6	GENERAL MATHEMATICS, CRYPTOGRAPHY	BC, IS, ES	Igor Klep	English	spring
Selected Topics in Discrete Mathematics I	6	GENERAL MATHEMATICS, CRYPTOGRAPHY	BC, IS, ES	Istvan Kovacs	English	spring
Selected Topics in Cryptography I	6	CRYPTOGRAPHY	BC, IS, ES	Enes Pasalic	English	spring
ELECTIVE COURSES						
Mathematical Practicum	6		BC, IS, ES	Karla Ferjančič	English	autumn
Probability	6		IS, ES	Mihael Perman	Slovene	autumn
Coding Theory	6		IS, ES	Enes Pasalic	English	autumn
Graph Algorithms	6		ES	Martin Milanič	English	autumn
Symmetry and Traversability in Graphs	6		IS, ES	Edward Tauscher Dobson	English	autumn
Selected Topics in Number Theory	6		IS, ES	Štefko Miklavič	English	autumn
Selected Topics in Mathematical Statistics I	6		BC, IS, ES	Mihael Perman	English	spring
Theory of Permutation Groups	6		IS, ES	Istvan Kovacs	English	spring
Game Theory	6		IS, ES	Aljaž Ule	Slovene	spring
Selected Topics in Numerical Mathematics	6		IS, ES	Vito Vitrih	English	spring
Selected Topics in Topology	6		IS, ES	Štefko Miklavič	English	spring

SUBSEQUENT CHANGES OF OFFERED COURSES:

Possible subsequent changes of the offered courses will be published on Faculty website. Please follow the published information on the Faculty website.