

COURSES IN THE ACADEMIC YEAR 2018/2019

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STUDY PROGRAMME AT UP FAMNIT: **MATHEMATICAL SCIENCES**¹ (2nd bologna cycle), in **English**

Last change: /

Course	ECTS credits	Course description	Possible to choose as	Course leader	Language	Semester
Selected Topics in Numerical Mathematics	9 / 6	IS	IS, ES	Vito Vitrih	English	autumn
Cryptographic Hash Functions and Block Chains	6	IS	IS, ES	Enes Pasalic	English	autumn
Theory of Finite Fields	9 / 6	IS	IS, ES	Štefko Miklavič	English	autumn
Selected Topics in Theory of Finite Geometries	9 / 6	IS	IS, ES	Gyorgy Kiss	English	autumn
Selected Topics in Analysis I	9 / 6	BC	BC, IS, ES	Jasna Prezelj	English	autumn
Coding Theory	9 / 6	IS	IS, ES	Enes Pasalic	English	autumn
Selected Topics in Complex Analysis	9 / 6	IS	IS, ES	Jasna Prezelj	English	autumn
Selected Topics in Dynamical Systems	6	IS	IS, ES	Jasna Prezelj	English	spring
Graph Algorithms	6	ES	ES	Martin Milanič	English, Slovene	spring
Selected Topics in Topology	9 / 6	IS	IS, ES	Štefko Miklavič	English	spring
Mathematical Practicum	6	BC	BC, IS, ES	Vito Vitrih	English	spring
Symmetry and Traversability in Graphs	9 / 6	IS	IS, ES	Edward Tauscher Dobson	English	spring
Selected Topics in Theory of Association Schemes	9 / 6	IS	IS, ES	Istvan Kovacs	English	spring
Selected Topics in Discrete Mathematics I	9 / 6	BC	BC, IS, ES	Istvan Kovacs	English	spring
Selected Topics in Algebra I	9 / 6	BC	BC, IS, ES	Klavdija Kutnar	English	spring
Selected Topics in Number Theory	9 / 6	IS	IS, ES	Štefko Miklavič	English	spring
Selected Topics in Cryptography I	9 / 6	BC	BC, IS, ES	Enes Pasalic	English	spring

NOTES:

Starting with the academic year 2018/19, the renewed programme will be offered to 1st year students (MS-18). Students who enrolled in 2017/18 or before (MS-07), will complete the enrolled programme. Courses are: basic course (BC), elective - internal selected course (IC), elective - external selected course (EC).

SUBSEQUENT CHANGES OF OFFERED COURSES:

Possible subsequent changes of the offered courses will be published in this document and marked in red.