

**COURSES IN THE ACADEMIC YEAR 2019/2020**

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

Last change: /

Course	ECTS credits	Course description <sup>2</sup>	Possible to choose as	Course leader	Language	Semester <sup>1</sup>
Theory of Finite Fields	6	IS	IS, ES	Štefko Miklavič	English	autumn
Selected Topics in Theory of Finite Geometries	6	IS	IS, ES	Gyorgy Kiss	English	autumn
Cryptographic Hash Functions and Block Chains	6	IS	IS, ES	Enes Pasalic	English	autumn
Theory of Permutation Groups	6	IS	IS, ES	Istvan Kovacs	English	autumn
Selected Topics in Analysis I	6	BC	BC, IS, ES	Jasna Prezelj	English	autumn
History and Methodology of the Subject	3	IS	IS, ES	Tomaž Pisanski	English	autumn
Coding Theory	6	IS	IS, ES	Enes Pasalic	English	autumn
Graph Algorithms	6	ES	ES	Martin Milanič	Slovene	autumn
Symmetry and Traversability in Graphs	6	IS	IS, ES	Edward Tauscher Dobson	English	autumn
Selected Topics in Dynamical Systems	6	IS	IS, ES	Jasna Prezelj	English	spring
Selected Topics in Numerical Mathematics	6	IS	IS, ES	Vito Vitrih	English	spring
Selected Topics in Topology	6	IS	IS, ES	Russ Woodroofe	English	spring
Mathematical Practicum	6	BC	BC, IS, ES	Vito Vitrih	English	spring
Selected Topics in Theory of Association Schemes	6	IS	IS, ES	Istvan Kovacs	English	spring
Selected Topics in Discrete Mathematics I	6	BC	BC, IS, ES	Istvan Kovacs	English	spring
Selected Topics in Algebra I	6	BC	BC, IS, ES	Klavdija Kutnar	English	spring
Selected Topics in Number Theory	6	IS	IS, ES	Štefko Miklavič	English	spring
Selected Topics in Cryptography I	6	BC	BC, IS, ES	Enes Pasalic	English	spring

**NOTES:**

[1] Semester: Academic calendar 2019/2020 is published on Faculty website <https://www.famnit.upr.si/en/education/general-information#heading2>.

[2] 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 marked in red in this document.