

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

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

Published: 8 November 2019

Last change: 28 February 2020

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
<del>Selected Topics in Dynamical Systems</del>	<del>6</del>	<del>IS</del>	<del>IS, ES</del>	<del>Jasna Prezelj</del>	<del>English</del>	<del>spring</del>
Selected Topics in Numerical Mathematics	6	IS	IS, ES	Vito Vitrih	English	spring
<del>Selected Topics in Topology</del>	<del>6</del>	<del>IS</del>	<del>IS, ES</del>	<del>Russ Woodroffe</del>	<del>English</del>	<del>spring</del>
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.