

UP FAMNIT: Podatki o izvedbi predmetov in smeri v univerzitetnem študijskem programu 1. stopnje MATEMATIKA v študijskem letu 2019/2020
(študent izbere smer študija ob vpisu v 3. letnik)

OBIJAVA: 25. 4. 2019

PREDLOG IZBORA ZA 3. LETNIK GLEDE NA ZELENO SMER	TEORETIČNA MATEMATIKA			KRIPTOGRAFIJA			DISKRETNÁ MATEMATIKA			SPLOŠNA MATEMATIKA						
	SEM	EN	SLO	SEM	EN	SLO	SEM	EN	SLO	SEM	EN	SLO				
Matematično modeliranje (OBVEZNI)	1	x	K	Matematično modeliranje	1	x	K	Matematično modeliranje	1	x	K	Matematično modeliranje	1	x	K	
Statistika (OBVEZNI)	1	x	x	Statistika	1	x	x	Statistika	1	x	x	Statistika	1	x	x	
Notranji izbirni predmet I	2	x		Topologija	2	x		Algebráčna teorija grafov	2	x		Funkcionalna analiza	1	x		
Notranji izbirni predmet II	1	x		Funkcionalna analiza	1	x		Simetrična kriptografija	2	x		Permutacijske grupe	1	x		
Notranji izbirni predmet III	1	x		Permutacijske grupe	1	x		Teorija kodiranja	2	x		Diferencialne enačbe	2	x		
Notranji izbirni predmet IV	1	x		Teorija števil	1	x		Teorija števil	1	x		Teorija mere	2	x		
Notranji izbirni predmet V	2	x		Teorija mere	2	x		Algebráčna teorija grafov	2	x		Teorija kodiranja	2	x		
Notranji izbirni predmet VI	2	x		Diferencialne enačbe	2	x		Permutacijske grupe	1	x		Teorija števil	1	x		
Zunanji izbirni predmet II				po lastnem izboru				predmeti bloka s konzultacijami				po lastnem izboru				
Zunanji izbirni predmet III				po lastnem izboru				po lastnem izboru				po lastnem izboru				
Priporočila za izbor v okviru zunanje izbire izbirnih predmetov	Seminar - uvod v raziskovalno delo	2	x		TOR III - Teorija informacij (RIN)	2	x		Napredno modeliranje v psihologiji (PBP)	2		x	Teorija iger	2		x
	Programiranje III - Vzoredno programiranje (RIN)	1	x	x	Programiranje III - Vzoredno programiranje (RIN)	1	x	x	Podatkovne strukture in algoritmi (RIN)	1	x	x	Programiranje III - Vzoredno programiranje (RIN)	1	x	x
	Algebráčna teorija grafov	2	x		Podatkovne strukture in algoritmi (RIN)	1	x	x	Seminar - uvod v raziskovalno delo	2	x		Algebráčna teorija grafov	2	x	
	Stohastični procesi (MF)	1		x									Finančna matematika (MF)	2	x	
												Optimizacijske metode	2	x		

Legenda:
SEM = semester (1. semester; 2. semester)
EN = izvedba v angleškem jeziku
SLO = izvedba v slovenskem jeziku
K = konzultacije

UP FAMNIT: Courses and study fields in the undergraduate study programme MATHEMATICS in the academic year 2019/2020
(the student chooses the study field upon enrolment in the 3rd year of study)

SUGGESTED CHOICE OF COURSES FOR THE 3RD YEAR OF STUDY REGARDING THE STUDY FIELD	THEORETICAL MATHEMATICS			CRYPTOGRAPHY			DISCRETE MATHEMATICS			GENERAL MATHEMATICS						
	SEM	EN	SLO	SEM	EN	SLO	SEM	EN	SLO	SEM	EN	SLO				
Mathematical Modelling (COMPULSORY)	1	x	K	Mathematical Modelling	1	x	K	Mathematical Modelling	1	x	K	Mathematical Modelling	1	x	K	
Statistics (COMPULSORY)	1	x	x	Statistics	1	x	x	Statistics	1	x	x	Statistics	1	x	x	
Internal elective course I	2	x		Cryptography and Computer Safety	2	x		Algebraic Graph Theory	2	x		Functional Analysis	1	x		
Internal elective course II	1	x		Symmetric-key Cryptography	2	x		Coding Theory	2	x		Permutation Groups	1	x		
Internal elective course III	1	x		Coding Theory	2	x		Number Theory	1	x		Differential Equations	2	x		
Internal elective course IV	1	x		Number Theory	1	x		Permutation Groups	1	x		Measure Theory	2	x		
Internal elective course V	2	x		Algebraic Graph Theory	2	x		Graph Theory	1	x		Coding Theory	2	x		
Internal elective course VI	2	x		Permutation Groups	1	x		Optimization Methods	2	x		Number Theory	1	x		
External elective course II				student's choice				courses of the subject core with consultations				student's choice				
External elective course III				student's choice				student's choice				student's choice				
Recommendations for the external elective courses	Seminar - Introduction to Research Work	2	x		Theoretical Computer Science III – Information Theory (RIN)	2	x		Advance Modeling in Psychology (PBP)	2		x	Game Theory (MA)	2		x
	Programming III – Concurrent Programming (RIN)	1	x	x	Programming III – Concurrent Programming (RIN)	1	x	x	Programming III – Concurrent Programming (RIN)	1	x	x	Programming III – Concurrent Programming (RIN)	1	x	x
	Algebraic Graph Theory	2	x		Data Structures and Algorithms (RIN)	1	x	x	Seminar - Introduction to Research Work	2	x		Algebraic Graph Theory	2	x	
	Stochastic processes (MF)	1		x									Financial Mathematics (MF)	2	x	
												Optimization Methods	2	x		

Legenda:
SEM = semester (1st semester; 2nd semester)
EN = in English
SLO = in Slovene
K = consultations