## Univerza na Primorskem Fakulteta za matematiko, naravoslovje in informacijske tehnologije

Last change: /

UP FAMNIT

STUDY PROGRAMME: COMPUTER SCIENCE (1st bologna cycle), in English COMPULSORY AND ELECTIVE COURSE IN THE ACADEMIC YEAR 2024/205

1st YEAR (10 compulsory courses)

NUMB.	COURSE	YEAR	SEMESTER	LANGUAGE	
1	Mathematics I - Analysis I	1st	Autumn	English	
2	Mathematics II - Algebra I	1st	Autumn	English	
3	Programming I	1st	Autumn	English	
4	Computer Practicum I	1st	Autumn	English	
5	Theoretical Computer Science I – Discrete Structures	1st	Autumn	English	
6	Systems I – Hardware	1st	Spring	English	
7	Systems II – Operating Systems and Computer Networks	1st	Spring	English	
8	Programming II – Concepts of Programming Languages	1st	Spring	English	
9	Theoretical Computer Science II – Formal Languages and Computability	1st	Spring	English	
10	Computer Practicum II	1st	Spring	English	

## 2nd YEAR (7 compulsory and 3 elective courses)

zna rzyk (r compaisor y ana s ciccare coarses)						
NUMB.	COURSE	YEAR	SEMESTER	LANGUAGE		
1	Data Structures and Algorithms	2nd	Autumn	English		
2	Programming III – Concurrent Programming	2nd	Autumn	English		
3	Introduction to Database Systems	2nd	Autumn	English		
4	Computer Networks	2nd	Spring	English		
5	Systems III – Information Systems	2nd	Spring	English		
6	Mathematics III – Algebra II	2nd	Spring	English		
7	Mathematics IV – Combinatorics with Graph Theory	2nd	Spring	English		
8	Internal elective course	2nd				
9	Internal elective course	2nd				
10	External elective course - English Language	2nd				

3rd YEAR (4 compulsory, 6 elective courses and seminar - final project paper)

State Text (4 comparisor), a circuit courses and seminar initial project paper)						
NUMB.	COURSE	YEAR	SEMESTER	LANGUAGE		
1	Software Engineering	3rd	Autumn	English		
2	Information Technology Management	3rd	Spring	English		
3	Theoretical Computer Science III – Information Theory	3rd	Spring	English		
4	Seminar – Final Project Paper	3rd	Autumn & Spring	English		
5	Internal elective course	3rd				
6	Internal elective course	3rd				
7	Internal elective course	3rd				
8	External elective course	3rd				
9	External elective course	3rd				
10	External elective course	3rd				

## **ELECTIVE COURSES**

	2 00 0 1,020						
NUMB.	COURSE	ECTS CREDITS	AVAILABLE FOR THE YEAR OF STUDY	INTERNAL/ EXTERNAL ELECTIVE	COURSE LEADER	LANGUAGE	SEMESTER
1	English Language (B2)	6	2nd	external	Martina Paradiž	English	Autumn
2	Multimedia Design	6	3rd	internal or external	Matjaž Kljun	English	Autumn
3	Introduction to Machine Learning and Data Mining	6	3rd	internal or external	Branko Kavšek	English	Autumn
4	Geographic Information Systems	6	3rd	internal or external	Mojca Poklar	English	Autumn
5	Human–Computer Interaction	6	2nd, 3rd	internal or external	Matjaž Kljun	English	Autumn
6	Adaptive Interactive Systems	6	3rd	internal or external	Marko Tkalčič	English	Spring
7	Graph Theory	6	3rd	internal or external	Martin Milanič	English	Spring
8	Augmented Reality	6	2nd, 3rd	internal or external	Klen Čopič Pucihar	English	Spring
9	Data Programming	6	3rd	internal or external	Uroš Godnov	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.