

**POSTGRADUATE STUDY PROGRAM
INFORMATICS
FACULTY OF COMPUTER SCIENCE, UGD – STIP
2 YEARS STUDY PROGRAM (120 ECTS)**

2012 / 2013

I SEMESTER				
Mandatory courses				
CODE	COURSE	ECTS	Classes	Semester workload
2FI206512	Numerical analysis	8	3+2+2	216
2FI202012	Advanced chapters of probability and statistics Tanja	8	3+2+2	216
2FI200712	Data Communications	6	2+2+1	156
	Elective course from the Faculty 1	4	2+1+1	120
	Elective course from the Faculty 2	4	2+1+1	120
Total:		30	12+8+7	828

I SEMESTER				
Elective courses from the Faculty				
CODE	COURSE	ECTS	Classes	Semester workload
2FI200812	Digital Libraries and Repositories	4	2+1+1	120
2FI200912	Statistical data analysis Zivanovik	4	2+1+1	120
2FI206312	Cryptography	4	2+1+1	120
2FI203612	Web oriented software engineering	4	2+1+1	120

II SEMESTER				
Mandatory courses				
CODE	COURSE	ECTS	Classes	Semester workload
2FI202412	Project Management and Change	8	3+2+2	216
2FI201812	Multimedia Technologies	8	3+2+2	216
2FI200612	Advanced Interaction Technologies	6	2+2+1	156
	Elective course from the Faculty 3	4	2+1+1	120
	Elective course from the Faculty 4	4	2+1+1	120
Total:		30	12+8+7	828

II SEMESTER

Elective courses from the Faculty				
CODE	C O U R S E	ECTS	Classes	Semester workload
2FI200312	Advanced Distributed Computer Systems	4	2+1+1	120
2FI202912	Engineering Analysis	4	2+1+1	120
2FI201012	Data Mining and Data Warehousing	4	2+1+1	120
2FI202112	Advanced Communication Networks	4	2+1+1	120

III SEMESTER				
Mandatory courses				
CODE	C O U R S E	ECTS	Classes	Semester workload
2FI206412	Web Technologies	8	3+2+2	216
2FI204212	Object-oriented Software Engineering	8	3+2+2	216
	Elective course from the Faculty 5	8	3+2+2	216
	Elective course from the University 1	6	2+2+1	156
Total:		30	11+8+7	804

III SEMESTER				
Elective courses from the Faculty				
CODE	C O U R S E	ECTS	Classes	Semester workload
2FI202712	Geographic Information Systems	8	3+2+2	216
	Applied Functional Analysis	8	3+2+2	216

IV SEMESTER				
Mandatory courses				
CODE	C O U R S E	ECTS	Classes	Semester workload
	<i>MSc Dissertation</i>	30	0+0+8	120