

**POSTGRADUATE STUDY PROGRAM
ARTIFICIAL INTELLIGENCE AND ROBOTICS
FACULTY OF COMPUTER SCIENCE UGD – STIP
1 YEAR STUDY PROGRAM (60 ECTS)**

2012/2013

I SEMESTER				
Mandatory courses				
CODE	COURSE	ECTS	Classes	Semester workload
2FI201112	Advanced topics in robotics	6	2+2+1	156
2FI200612	Advanced Interaction Technologies	6	2+2+1	156
2FI201212	Digital Image Processing	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
	Elective course from the University 1	4	2+1+1	120
Total:		30	12+9+6	828

I SEMESTER				
Elective courses from the Faculty				
CODE	COURSE	ECTS	Classes	Semester workload
2FI201312	Selected chapters of numerical analysis	4	2+1+1	120
2FI200512	Optimization and System Control	4	2+1+1	120
2FI201412	Probabilistic robotics	4	2+1+1	120
2FI201512	Speech and Language Processing	4	2+1+1	120

II SEMESTER				
Mandatory courses				
CODE	COURSE	ECTS	Classes	Semester workload
2FI201612	Machine Learning	6	2+2+1	156
	<i>MSc Dissertation</i>	24	0+0+8	120
Total:		30	2+2+1	276