



TRAINING UNIT: FACULTY OF MATEMATICS AND INFORMATICS

Master's Programme: Computer Sciences. Applied Computer Sciences

Area of Higher Education: 4. Natural Science, Mathematics and Informatics

Field of Study: 4.6. Informatics and Computer Science

Educational Qualification Degree: Master

Professional Qualification: Computer Sciences

Programme Duration: 3 semesters

ECTS Points: 90

PROGRAMME SYLLABUS

(Student load, forms of assessment and credit points awarded)

Code Number	Course Title	Course Type	Semesters in which the course is taught	Form of Assessment	Contact Hours	Private Study Hours	Overall number of contact and private study ECTS Points	ECTS Points
	FIRST SEMESTER							
201942	3D Computer Graphics and Apps	CC	1	Exam	30	180	210	7
20102254	Electronic Technologies	CC	1	Exam	30	180	210	7
	Elective course 1 to be elected 1 of...	EC	1	Exam	30	180	210	7
20102256	Mobile Technologies	EC	1	Exam	30	180	210	7
20102255	Open Source Technologies	EC	1	Exam	30	180	210	7
	Elective course 2 to be elected 1 of...	EC	1	Exam	30	120	150	5
20102263	Publishing Systems	EC	1	Exam	30	120	150	5
20081140	Electronic Books	EC	1	Exam	30	120	150	5
	Optional Course 1 to be elected 1 of...	OC	1	CA	30	90	120	4
20102262	Electronic Government	OC	1	CA	30	150	180	6
20041450	Electronic Payments	OC	1	CA	30	150	180	6
	Overall number of hours and points for the FIRST SEMESTER				150	750	900	30
	SECOND SEMESTER							
20102259	Virtual Reality and Computer Games	CC	2	Exam	30	150	180	6
20102258	Mathematical Techniques for Analysis and Research	CC	2	Exam	30	150	180	6
20102260	Data Warehousing & Data Mining	CC	2	Exam	30	150	180	6
	Elective course 3 to be elected 1 of...	EC	2	Exam	45	135	180	6

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20102264	Grid Technologies	EC	2	Exam	45	135	180	6
20102261	Supercomputers	EC	2	Exam	45	135	180	6
20102265	Cloud Computing	EC	2	Exam	45	135	180	6
	Optional Course 2 to be elected 1 of...	OC	2	CA	30	150	180	6
20081325	Project Development and Management	OC	2	CA	30	150	180	6
20041762	Teamwork on Projects	OC	2	CA	30	150	180	6
	Overall number of hours and points for the SECOND SEMESTER				165	735	900	30
	THIRD SEMESTER							
20081152	Professional Practical Placement	CC	3	Exam		450	450	15
	Graduation options (1 of)...		3			450	450	15
	Option 1		3			450	450	15
	Defense of Master's Thesis		3			450	450	15
	Overall number of hours and points for the THIRD SEMESTER					900	900	30

315 2385... 2700 90

Abbreviations:

CA – Continuous assessment; CC - Compulsory course; EC - Elective course; OC - Optional course.