

CURRICULUM

STUDY PROGRAM: INFORMATICS

180 ECTS POINTS

FIRST YEAR

No.	Subject	Subject code	Status	ECTS	L	E	Name and surname of the professor
I SEMESTER							
1	Informatics	BLC.002	Obligatory	6	30	30	Milica Tepšić, PhD
2	Mathematics 1	BLC.011	Obligatory	6	30	30	Negovan Stamenković, PhD
3	English language 1	BLC.032	Obligatory	6	30	45	Vesna Đurović, MA
4	Methodology of scientific research	BLC.020	Elective	6	30	30	Nenad Novaković, PhD
5	Management	BLC.001	Elective	6	30	30	Svetlana Dušanić-Gačić, PhD
II SEMESTER							
6	Computer architecture	BLC.050	Obligatory	6	30	30	Boris Damjanović, PhD
7	Introduction to information technologies	BLC.008	Obligatory	6	30	30	Nikola Novaković, PhD
8	English language 2	BLC.033	Obligatory	6	30	45	Vesna Đurović, MA
9	Introduction to operating systems	BLC.055	Elective	6	30	30	Nikola Novaković, PhD
10	Statistics	BLC.004	Obligatory	6	30	30	Zorana Agić, PhD

SECOND YEAR

No.	Subject	Subject code	Status	ECTS	L	E	Name and surname of the professor
III SEMESTER							
1	Artificial intelligence	BLC.225	Obligatory	6	30	30	Davor Radivojević, PhD
2	Mathematics 2	BLC.028	Obligatory	6	30	30	Negovan Stamenković, PhD
2	English language 3	BLC.034	Obligatory	6	30	45	Vesna Đurović, MA
4	Computer networks	BLC.056	Elective	6	30	30	Davor Radivojević, PhD
5	Information systems	BLC.021	Elective	6	30	30	Milica Tepšić, PhD
IV SEMESTER							
6	Databases 1	BLC.051	Obligatory	6	30	30	Boris Damjanović, PhD
7	Basics of programming	BLC.027	Obligatory	6	30	30	Boris Damjanović, PhD
8	English language 4	BLC.035	Obligatory	6	30	45	Vesna Đurović, MA
9	Web design	BLC.031	Elective	6	30	30	Nikola Novaković, PhD
10	Protection of information systems	BLC.057	Elective	6	30	30	Milica Tepšić, PhD

THIRD YEAR

No.	Subject	Subject code	Status	ECTS	L	E	Name and surname of the professor
V SEMESTER							
1	Programming	BLC.052	Obligatory	8	30	60	Boris Damjanović, PhD
2	Mathematics 3	BLC.053	Obligatory	8	30	60	Negovan Stamenković, PhD
2	Databases 2	BLC.059	Elective	8	30	60	Boris Damjanović, PhD
4	Video games	BLC.058	Elective	6	30	30	Irena Parović, PhD
VI SEMESTER							
5	Electrical engineering and electronics	BLC.044	Obligatory	8	30	60	Davor Radivojević, PhD
6	Algorithms and data structure	BLC.054	Obligatory	8	30	60	Boris Damjanović, PhD
7	Software engineering	BLC.060	Elective	8	30	60	Davor Radivojević, PhD
8	Human resources management	BLC.013	Elective	6	30	30	Svetlana Dušanić-Gačić, PhD

ELECTIVE COURSES

LIST OF ELECTIVE COURSES 6 ECTS					
No.	Elective course (Subject)	Subject code	P	L	E
1	Methodology of scientific research	BLC.020	6	30	30
2	Business informatics	BLC.009	6	30	30
3	Management	BLC.001	6	30	30
4	Statistics	BLC.004	6	30	30
5	Introduction to operating systems	BLC.005	6	30	30
6	Computer networks	BLC.056	6	30	30
7	Information systems	BLC.021	6	30	30
8	Web design	BLC.031	6	30	30
9	Protection of information systems	BLC.057	6	30	30
10	Video games	BLC.058	6	30	30
11	Human resources management	BLC.013	6	30	30
12	Human computer interaction	BLC.099	6	30	30
13	Quantitative methods in computer science	BLC.100	6	30	30
14	Internet programming CSS&HTML	BLC.101	6	30	30
15	Software quality	BLC.102	6	30	30
16	Business intelligence	BLC.025	6	30	30

LIST OF ELECTIVE COURSES 8 ECTS					
No.	Elective course (Subject)	Subject code	P	L	E
1	Databases 2	BLC.059	8	30	60
2	Software engineering	BLC.060	8	30	60
3	Internet programming	BLC.061	8	30	60
4	Internet marketing	BLC.038	8	30	60
5	Wireless networks	BLC.062	8	30	60
6	Operational research	BLC.103	8	30	60
7	Modern software architectures	BLC.063	8	30	60
8	Electronic business	BLC.104	8	30	60
9	Advanced programming techniques	BLC.105	8	30	60

10	Multimedia	BLC.064	8	30	60
11	Computer systems	BLC.106	8	30	60
12	Operating systems	BLC.107	8	30	60
13	Internet programming - Java	BLC.108	8	30	60
14	Computer communications	BLC.109	8	30	60
15	Management systems	BLC.110	8	30	60
16	Web services	BLC.111	8	30	60
17	Expert systems	BLC.112	8	30	60
18	Information technologies	BLC.113	8	30	60
19	Information technologies in business	BLC.114	8	30	60
20	Modelling of business processes	BLC.115	8	30	60
21	Information systems design	BLC.116	8	30	60