

CURRICULUM

STUDY PROGRAM: INFORMATICS

DEPARTMENT: INFORMATION TECHNOLOGY ENGINEERING - 240 ECTS POINTS

FIRST YEAR

Number	S u b j e c t	Subject code	Status	ECTS	L	E	Name and surname of the professor
	I YEAR						
	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						
1.	Computer architecture	BLC.050	Obligatory	6	30	30	Boris Damjanović, PhD
2.	Introduction to information technologies	BLC.008	Obligatory	6	30	30	Nikola Novaković, PhD
3.	English language 2	BLC.033	Obligatory	6	30	45	Vesna Đurović, MA
4.	Introduction to operating systems	BLC.055	Elective	6	30	30	Nikola Novaković, PhD
5.	Statistics	BLC.004	Elective	6	30	30	Zorana Agić, PhD

SECOND YEAR

Number	S u b j e c t	Subject code	Status	ECTS	L	E	Name and surname of the professor
II YEAR							
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
3.	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							
1.	Databases 1	BLC.051	Obligatory	6	30	30	Boris Damjanović, PhD
2.	Basics of programming	BLC.027	Obligatory	6	30	30	Boris Damjanović, PhD
3.	English language 4	BLC.035	Obligatory	6	30	45	Vesna Đurović, MA
4.	Web design	BLC.031	Elective	6	30	30	Nikola Novaković, PhD
5.	Protection of information systems	BLC.057	Elective	6	30	30	Milica Tepšić, PhD

THIRD YEAR

Number	S u b j e c t	Subject code	Status	ECTS	L	E	Name and surname of the professor
III YEAR							
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

3.	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							
1.	Electrical engineering and electronics	BLC.044	Obligatory	8	30	60	Davor Radivojević, PhD
2.	Algorithms and data structure	BLC.054	Obligatory	8	30	60	Boris Damjanović, PhD
3.	Software engineering	BLC.060	Elective	8	30	60	Davor Radivojević, PhD
4.	Human resources management	BLC.013	Elective	6	30	30	Svetlana Dušanić-Gačić, PhD

FOURTH YEAR

Number	S u b j e c t	Subject code	Status	ECTS	L	E	Name and surname of the professor
IV YEAR							
VII SEMESTER							
1.	Internet programming	BLC.061	Elective	8	30	60	Boris Damjanović, PhD
2.	Internet marketing	BLC.038	Elective	8	30	60	Mirjana Milovanović, PhD
3.	Wireless networks	BLC.062	Elective	8	30	60	Davor Radivojević, PhD
4.	English language 5	BLC.036	Obligatory	6	30	45	Vesna Đurović, MA
VIII SEMESTER							
1.	Modern software architectures	BLC.063	Elective	8	30	60	Davor Radivojević, PhD
2.	Student's practice	BLC.093		12			
3.	Final paper	BLC.094		10			

DEPARTMENT: INFORMATICS -180 ECTS POINTS

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I YEAR							
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							
1.	Computer architecture	BLC.050	Obligatory	6	30	30	Boris Damjanović, PhD
2.	Introduction to information technologies	BLC.008	Obligatory	6	30	30	Nikola Novaković, PhD
3.	English language 2	BLC.033	Obligatory	6	30	45	Vesna Đurović, MA
4.	Introduction to operating systems	BLC.055	Elective	6	30	30	Nikola Novaković, PhD
5.	Statistics	BLC.004	Elective	6	30	30	Zorana Agić, PhD

SECOND YEAR

Number	S u b j e c t	Subject code	Status	ECTS	L	E	Name and surname of the professor
II YEAR							
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
3.	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							
1.	Databases 1	BLC.051	Obligatory	6	30	30	Boris Damjanović, PhD
2.	Basics of programming	BLC.027	Obligatory	6	30	30	Boris Damjanović, PhD
3.	English language 4	BLC.035	Obligatory	6	30	45	Vesna Đurović, MA
4.	Web design	BLC.031	Elective	6	30	30	Nikola Novaković, PhD
5.	Protection of information systems	BLC.057	Elective	6	30	30	Milica Tepšić, PhD

THIRD YEAR

Number	S u b j e c t	Subject code	Status	ECTS	L	E	Name and surname of the professor
III YEAR							
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
3.	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							
1.	Electrical engineering and electronics	BLC.044	Obligatory	8	30	60	Davor Radivojević, PhD
2.	Algorithms and data structure	BLC.054	Obligatory	8	30	60	Boris Damjanović, PhD
3.	Software engineering	BLC.060	Elective	8	30	60	Davor Radivojević, PhD
4.	Human resources management	BLC.013	Elective	6	30	30	Svetlana Dušanić-Gačić, PhD

ELECTIVE COURSES

List of 6 ECTS Elective courses:

LIST OF ELECTIVE COURSES					
Number	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
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List of 8 ECTS Elective courses:

LIST OF ELECTIVE SUBJECTS					
Number	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