Applied Computer Science 2020/2021

	Name of the course	TOTAL								Semesters																			
										I							II							III					
		Hours	W	C	L	P	S	ECTS	Egz	W	C	L	P	S	ECTS	Egz	W	C	L	P	S	ECTS	Egz	W	C	L	P	S	ECTS	Egz
	General subjects																												
1	Managerial economics	45	**15**	**30**	**0**	**0**	**0**	**3**	**0**	15	30	0	0	0	**3**														
2	Psychology and Sociology and Industrial Relations	30	**0**	**30**	**0**	**0**	**0**	**2**	**0**															0	30	0	0	0	**2**	
3	Technical and Professional Writing	30	**0**	**30**	**0**	**0**	**0**	**1**	**0**								0	30	0	0	0	**1**								
	Major courses																												
4	Advanced Programming Technologies	60	**30**	**0**	**30**	**0**	**0**	**4**	**1**	30	0	30	0	0	**4**	**E**													
5	Human-Computer Interaction	60	**30**	**0**	**15**	**15**	**0**	**4**	**1**	30	0	15	15	0	**4**	**E**													
6	IT Project Mamagement	60	**30**	**0**	**0**	**30**	**0**	**5**	**1**								30	0	0	30	0	**5**	**E**							
7	Parallel and Distributed Programming	60	**30**	**0**	**15**	**15**	**0**	**5**	**1**								30	0	15	15	0	**5**	**E**							
	Specialized courses																												
8	Modeling of the Technical Problems	45	**15**	**0**	**30**	**0**	**0**	**3**	**0**	15	0	30	0	0	**3**														
9	Computer networks integration	45	**15**	**0**	**0**	**30**	**0**	**5**	**1**	15	0	0	30	0	**5**	**E**													
10	Advanced database technologies	45	**15**	**0**	**0**	**30**	**0**	**5**	**1**	15	0	0	30	0	**5**	**E**													
11	Information systems security technologies	30	**15**	**0**	**15**	**0**	**0**	**3**	**0**	15	0	15	0	0	**3**														
12	Geometric Methods	60	**30**	**0**	**0**	**30**	**0**	**3**	**0**	30	0	0	30	0	**3**														
13	Computer Methods in Science and Technology	45	**30**	**0**	**15**	**0**	**0**	**3**	**1**								30	0	15	0	0	**3**	**E**							
14	High Performance Computing	60	**30**	**0**	**30**	**0**	**0**	**4**	**0**								30	0	30	0	0	**4**								
15	Modeling of socio-economic problems	30	**15**	**0**	**0**	**15**	**0**	**2**	**0**								15	0	0	15	0	**2**								
16	Classification and pattern recognition	60	**30**	**0**	**30**	**0**	**0**	**5**	**1**								30	0	30	0	0	**5**	**E**							
17	Game programming	45	**15**	**0**	**15**	**15**	**0**	**3**	**0**															15	0	15	15	0	**3**	
18	Massive processing of data	45	**15**	**0**	**30**	**0**	**0**	**3**	**0**								15	0	30	0	0	**3**								
19	Advanced machine learning methods	60	**30**	**0**	**30**	**0**	**0**	**5**	**0**															30	0	30	0	0	**5**	
20	Strategic Enterprise Management	30	**15**	**15**	**0**	**0**	**0**	**2**	**0**															15	15	0	0	0	**2**	
21	Problem Solving Workshop	30	**0**	**0**	**0**	**30**	**0**	**2**	**0**								0	0	0	30	0	**2**								
22	Diploma Seminar	30	**0**	**0**	**0**	**0**	**30**	**3**	**0**															0	0	0	0	30	**3**	
23	Preparation of the Diploma Thesis	10	**0**	**0**	**0**	**10**	**0**	**15**	**0**															0	0	0	10	0	**15**	
	Total	**1015**	**405**	**105**	**255**	**220**	**30**	**90**	**8**	**165**	**30**	**90**	**105**	**0**	**30**	**4**	**180**	**30**	**120**	**90**	**0**	**30**	**4**	**60**	**45**	**45**	**25**	**30**	**30**	**0**
										390							**420**							**205**						

Letter "E" in column "Egz" stands for exam.

W - lecture, C - auditorial exercises, L - laboratories, P - projects, S - seminar