

**Table 1.**  
**First study cycle**

<b>1 Year</b>						
<b>1 semester</b>						
<b>No.</b>	<b>Code</b>	<b>Course</b>	<b>Total number of classes</b>	<b>Weekly number of classes</b>	<b>ECTS</b>	<b>load</b>
01.	10.9.AITMIR.1101.C	e-Democracy	45+30	3+2	6	180
02.	04.0.AITMIR.1102.C	e-management	45+30	3+2	6	180
03.	08.9.AITMIR.1103.C	e-Ethics	45+30	3+2	6	180
04. One elective course from the following list <sup>1</sup>						
	08.0.AITMIR.1104.MaE	Digital Humanities	45+30	3+2	6	180
	04.9.AITMIR.1105.MaE	Digital Economics	45+30	3+2	6	180
	03.9.AITMIR.1106.MaE	Digital Arts	45+30	3+2	6	180
05. One elective course from the courses offered at the university faculties						
			45+30	3+2	6	180
<b>Total</b>			<b>300</b>	<b>20</b>	<b>30</b>	<b>900</b>
<b>2 Semester</b>						
<b>No.</b>	<b>Code</b>	<b>Course</b>	<b>Total number of classes</b>	<b>Weekly number of classes</b>	<b>ECTS</b>	<b>load</b>
06.	16.0.AITMIR.1207.C	e-management	45+30	3+2	6	180
07.	04.9.AITMIR.1208.C	Project management	45+30	3+2	6	180
08.	15.9.AITMIR.1209.C	Social networks	45+30	3+2	6	180
09. One elective course from the following list						
	14.9.AITMIR.1210.MaE	Digital society	45+30	3+2	6	180
	04.9.AITMIR.1211.MaE	Management of production processes	45+30	3+2	6	180
	03.9.AITMIR.1212.MaE	Graphic design	45+30	3+2	6	180
10. One elective course from the courses offered at the university faculties						
			45+30	3+2	6	180
<b>Total</b>			<b>300</b>	<b>20</b>	<b>30</b>	<b>900</b>

<b>2 Year</b>						
<b>3 Semester</b>						
<b>No.</b>	<b>Code</b>	<b>Course</b>	<b>Total number of classes</b>	<b>Weekly number of classes</b>	<b>ECTS</b>	<b>load</b>
11.	10.9.AITMIR.1313.C	Law in information technologies	45+30	3+2	6	180
12.	04.9.AITMIR.1314.C	Electronic commerce	45+30	3+2	6	180
13.	15.9.AITMIR.1315.C	e-Media	45+30	3+2	6	180
14. One elective course from the following list						
	10.9.AITMIR.1316.MaE	e-Diplomacy	45+30	3+2	6	180
	04.9.AITMIR.1317.MaE	Client relation management	45+30	3+2	6	180
	03.9.AITMIR.1318.MaE	Web design	45+30	3+2	6	180
15. One elective course from the courses offered at the university faculties						
			45+30	3+2	6	180
<b>Total</b>			<b>300</b>	<b>20</b>	<b>30</b>	<b>900</b>
<b>4 Semester</b>						
<b>No.</b>	<b>Code</b>	<b>Courses</b>	<b>Total number of classes</b>	<b>Weekly number of classes</b>	<b>ECTS</b>	<b>load</b>
16.	10.9.AITMIR.1419.C	e-crime	45+30	3+2	6	180
17.	04.9.AITMIR.1420.C	e-Banking	45+30	3+2	6	180
18.	15.9.AITMIR.1421.C	e-Journalism	45+30	3+2	6	180
19. One elective course from the following list						
	10.9.AITMIR.1422.MaE	Cyber security	45+30	3+2	6	180
	04.9.AITMIR.1423.MaE	Business law	45+30	3+2	6	180
	03.9.AITMIR.1324.MaE	e-Entertainment	45+30	3+2	6	180
20. One elective course from the courses offered at the university faculties						
			45+30	3+2	6	180
<b>Total</b>			<b>300</b>	<b>20</b>	<b>30</b>	<b>900</b>
<b>3 Year</b>						
<b>5 Semester</b>						
<b>No.</b>	<b>Code</b>	<b>Course</b>	<b>Total number of classes</b>	<b>Weekly number of classes</b>	<b>EKTS</b>	<b>load</b>

21.	10.9.AITMIR.1525.C	Electronic elections	45+30	3+2	6	180
22.	04.7.AITMIR.1526.C	e-Marketing	45+30	3+2	6	180
23.	03.9.AITMIR.1527.C	e-Gaming	45+30	3+2	6	180
24. One elective course from the following list						
	12.9.AITMIR.1528.MaE	e-Health	45+30	3+2	6	180
	04.9.AITMIR.1529.MaE	Financial management	45+30	3+2	6	180
	03.9.AITMIR.1530.MaE	Digital cinematography	45+30	3+2	6	180
25. One elective course from the courses offered at the university faculties						
			45+30	3+2	6	180
<b>Total</b>			<b>300</b>	<b>20</b>	<b>30</b>	<b>900</b>
<b>6 Semester</b>						
No.	Code	Course	Total number of classes	Weekly number of classes	EKTS	load
26.	10.9.AITMIR.1631.C	Negotiations and dispute solving	45+30	3+2	6	180
27.	04.9.AITMIR.1632.C	e-accounting	45+30	3+2	6	180
28.	03.9.AITMIR.1633.C	3D animations and visual effects	45+30	3+2	6	180
29. One elective course from the following list						
	10.9.AITMIR.1634.MaE	Open government	45+30	3+2	6	180
	04.9.AITMIR.1635.MaE	Modeling of business process	45+30	3+2	6	180
	03.9.AITMIR.1636.MaE	Digital processing of audio signals and Music	45+30	3+2	6	180
30. One elective course from the courses offered at the university faculties						
			45+30	3+2	6	180
<b>Total</b>			<b>300</b>	<b>20</b>	<b>30</b>	<b>900</b>

**Table 3. List of elective courses offered by the university faculties i.e. University elective courses.**

1	11.2.MIR.1501.MaE	Statistical learning systems	3+2	6
2	11.9.MIR.1601.MaE	Sophistical processes	3+2	6
3	11.9.F.1701.MaE*	Internship in industry	3+2	6
4	11.9.MIR.1702.MaE	Data mining	3+2	6
5	04.9.MIR.1703.MaE	Project management	3+2	6
6	11.9.F.1801.MaE*	Internship in industry	3+2	6
7	11.3.MIR.1802.MaE	Formal methods for computer Sciences	3+2	6
8	11.9.MIR.1803.MaE	Data bases systems II	3+2	6
9	11.9.F.1x01.MaE	Systems theory	3+2	6
10	11.9.F.1x02.MaE	Chaos theory	3+2	6
11	11.9.F.1x03.MaE	Advanced algorithms	3+2	6
12	11.9.F.1x04.MaE	Advanced logic	3+2	6
13	11.9.F.1x05.MaE	Assessment of models	3+2	6
14	11.9.F.1x06.MaE	Discrete mathematics 2	3+2	6
15	11.9.F.1x07.MaE	Advanced mathematical analysis (calculus)	3+2	6
16	11.9.F.1x08.MaE	Integrated systems design	3+2	6
17	11.9.F.1x09.MaE	Digital electronics	3+2	6
18	11.9.F.1x10.MaE	Digital library	3+2	6
19	11.9.F.1x11.MaE	Distance learning	3+2	6
20	11.9.F.1x12.MaE	e-business	3+2	6
21	11.9.F.1x13.MaE	e-Management	3+2	6
22	11.9.F.1x14.MaE	Nested systems	3+2	6
23	11.9.F.1x15.MaE	Ethics and law of IT	3+2	6
24	11.9.F.1x16.MaE	Telecommunications basics	3+2	6
25	11.9.F.1x17.MaE	Geographic and information systems	3+2	6
26	11.9.F.1x18.MaE	Health information systems	3+2	6
27	11.9.F.1x19.MaE	Basics of information society	3+2	6
28	11.9.F.1x20.MaE	Innovative technologies	3+2	6
29	11.9.F.1x21.MaE	Innovative and sustainable technologies	3+2	6
30	11.9.F.1x22.MaE	Internet programing	3+2	6
31	11.9.F.1x23.MaE	Internet technologies	3+2	6
32	11.9.F.1x24.MaE	IT aided learning	3+2	6

33	11.9.F.1x25.MaE	Knowledge based systems	3+2	6
34	11.9.F.1x26.MaE	Knowledge management	3+2	6
35	11.9.F.1x27.MaE	Knowledge systems	3+2	6
36	11.9.F.1x28.MaE	Management of technical support	3+2	6
37	11.9.F.1x29.MaE	Management of virtual environment and visualization	3+2	6
38	11.9.F.1x30.MaE	Media and communication	3+2	6
39	11.9.F.1x31.MaE	Microcomputers systems	3+2	6
40	11.9.F.1x32.MaE	Modeling of business processes	3+2	6
41	11.9.F.1x33.MaE	Modeling of telecommunications	3+2	6
42	11.9.F.1x34.MaE	Natural language processing	3+2	6
43	11.9.F.1x35.MaE	Traffic theory	3+2	6
44	11.9.F.1x36.MaE	Virtual society	3+2	6
45	11.9.F.1x37.MaE	Visual programming	3+2	6
46	11.9.F.1x38.MaE	Web design	3+2	6
47	11.9.F.1x39.MaE	Basics of bioinformatics	3+2	6
48	11.9.F.1x40.MaE	Next generation networks	3+2	6
49	11.9.F.1x41.MaE	Management of security and identity	3+2	6
50	11.9.F.1x42.MaE	Architectural security of networks	3+2	6
51	11.9.F.1x43.MaE	Photo formation in medicine	3+2	6
52	11.9.F.1x44.MaE	Biomedicine instruments	3+2	6
53	11.9.F.1x45.MaE	Signal processing in biomedicine	3+2	6
54	11.9.F.1x46.MaE	Electrical circuits	3+2	6
55	11.9.F.1x47.MaE	Principles of biomedicine engineering	3+2	6
56	11.9.F.1x48.MaE	Game theory	3+2	6
57	11.9.F.1x49.MaE	Information verification	3+2	6
58	11.9.F.1x50.MaE	Optimization theory	3+2	6
59	11.9.F.1x51.MaE	Parallel data processing	3+2	6
60	11.9.F.1x52.MaE	Application of UML designed models, object oriented design	3+2	6
61	11.9.F.1x53.MaE	Cloud technologies for data processing	3+2	6
62	11.9.F.1x54.MaE	Patenting and protection of technical ideas	3+2	6
63	11.9.F.1x55.MaE	Service oriented and architecture (service oriented architecture)	3+2	6
64	11.9.F.1x56.MaE	Software oriented engineering	3+2	6
65	11.3.CSE.1501.MaE	Compiling theory	3+2	6
66	11.3.CSE.1802.MaE	Software agents	3+2	6
67	11.9.ISVMA.1501.MaE	Graph Theory	3+2	6
68	11.9.ISVMA.1601.MaE	Clusters	3+2	6

69	11.9.ISVMA.1802.MaE	Morphological filters	3+2	6
70	11.9.ISVMA.1803.MaE	Image processing	3+2	6
71	11.9.ITA.1501.MaE	Signal and image processing	3+2	6
72	11.9.ITA.1601.MaE	Information theory (Cryptography)	3+2	6
73	11.9.ITA.1702.MaE	Formal methods for computer science	3+2	6
74	11.4.ITA.1803.MaE	Artificial intelligence	3+2	6
75	11.3.CNS.1501.MaE	Client/ server systems	3+2	6

From table 3 students choose courses from the university list of elective courses offered by the university faculties in accordance with the structure of university studies especially for fulfilling 10% of electiveness in accordance with article 99 from the law on higher education.

In table 4 core courses are offered for the program e-government, e-business, e-culture.

**Table 4. Study program e-government, e-business, e-culture**

No.	Core courses	ECTS
1.	e-Democracy	6
2.	e-Management	6
3.	e-Ethics	6
4.	e-Government	6
5.	Project management	6
6.	Social networks	6
7.	Law in information technologies	6
8.	Electronic commerce	6
9.	e-Media	6
10.	e-Crime	6
11.	e-Banking	6
12.	e-Journalism	6
13.	Electronic elections	6
14.	e-Marketing	6
15.	e-Gaming	6
16.	Negotiation and dispute solving	6
17.	e-accounting	6
18.	3D animation and visual effects	6

In table 5 Faculty elective courses are offered for the program e-government, e-business, e-culture that are taken from I to VI semester. From the list of the offered courses, elective courses are chosen in accordance with the structure of university studies.

**Table 5. List of elective courses for the study program e-Government, e-Business, e-Culture**

<b>No.</b>	<b>Courses</b>	<b>ECTS</b>
<b>1.</b>	Digital humanities	<b>6</b>
<b>2.</b>	Digital economics	<b>6</b>
<b>3.</b>	Digital arts	<b>6</b>
<b>4.</b>	Digital society	<b>6</b>
<b>5.</b>	Management of production processes	<b>6</b>
<b>6.</b>	Graphic design	<b>6</b>
<b>7.</b>	e-Diplomacy	<b>6</b>
<b>8.</b>	Client relationship management	<b>6</b>
<b>9.</b>	Web design	<b>6</b>
<b>10.</b>	Cyber security	<b>6</b>
<b>11.</b>	Business law	<b>6</b>
<b>12.</b>	e-Entertainment	<b>6</b>
<b>13.</b>	e-Health	<b>6</b>
<b>14.</b>	Financial management	<b>6</b>
<b>15.</b>	Digital cinematography	<b>6</b>
<b>16.</b>	Open government	<b>6</b>
<b>17.</b>	Modeling of business processes	<b>6</b>
<b>18.</b>	Digital processing of audio signal and music	<b>6</b>