1.	Course title	Digitalization and e-presentation
2.	Course code	CSEW510
3.	Study program	Education of Informatics, Academic Informatics Studies
4.	Unit offering the course	**FCSE**
5.	Undergraduate/postgraduate/PhD	**Undergraduate**
6.	Year/semester 3/winter	7. ECTS: **6**
8.	Teacher(s)	assoc. prof. dr. Marija Mihova
9.	Course prerequisites	Software Engineering
10.	Goals (competences): To learn the process and techniques for digitization. Students need to master the basic principles of managing digital materials and their preservation, as well as techniques and technologies for their presentations.	
11.	Course content: Basic concepts of digitalization. Techniques and technologies used in the digitization of various types of items: text, music, pictures, buildings. Digitization of old records and printed materials. Digitization of images and sound. Digitization, reconstruction and modeling of 3D objects: art, buildings, archaeological and anthropological artifacts. Archiving and preservation of various types of digital materials. Techniques and technologies for presentation of digitized materials.	
12.	Teaching methods: Lectures supported by presentations with slides, interactive lectures, exercises invited guest lecturers, preparation and defence of a project work and seminar thesis, learning in an e-environment (forums, consultations).	
13.	Total available time	6 ECTS x 30 hours = 180 hours
14.	Distribution of the available time	30 + 45 + 40 + 30 + 35 = 180 hours

15.	Teaching activities	15.1.	Lectures	30 hours
		15.2.	Training (labs, problem solving), seminar and team work	45 hours
16.	Other activities	16.1.	Project work	40 hours
		16.2.	Self study	30 hours
		16.3.	Home work	35 hours

17.	Grading		
	17.1.	Tests	45 points
	17.2.	Seminar work/project (written or oral presentation)	50 points
	17.3.	Active participation	5 points
18.	Grading criteria	to 50 points	5 (five) (F)
		from 51 to 60 points	6 (six) (E)
		from 61 to 70 points	7 (seven) (D)
		from 71 to 80 points	8 (eight) (C)

| | | from 81 to 90 points | 9 (nine) (B) |
| | | from 91 to 100 points | 10 (ten) (A) |

19.	Final exam prerequisites	Completed activities 15 and 16
20.	Course language	Macedonian and English
21.	Quality assurance methods	Internal evaluation and satisfaction polls

Literature

22.

22.1. Compulsory

No.	Authors	Title	Publisher	Year
1.	Kwong Bor Ng, Jason Kucsma	Digitization in the Real World	Metropolitan New York Library Council	2010
2.	Lorna M. Hughec	Digitizing Collections: Strategic Issues for the Information Manager (Digital Futures) (Digital Futures Series)	Facet Publishing	2004

22.2. Mandatory

No.	Authors	Title	Publisher	Year
1.	Filippo Stanco, Sebastiano Battiato, Giovanni Gallo	Digital Imaging for Cultural Heritage Preservation: Analysis, Restoration, and Reconstruction of Ancient Artworks (Digital Imaging and Computer Vision)	CRC Press	2011