

1. GENERAL INFORMATION			
1.1. Course teacher	Assoc. Prof. Vjekoslav Nježić, PhD Ass. Prof. Art. Srđan Dedić,	1.6. Year of the study programme	5.
1.2. Name of the course	Musical Computer Science 1	1.7. Credits (ECTS)	4 (2+2)
1.3. Associate teachers	-	1.8. Type of instruction (number of hours L + S + E + e-learning)	L30
1.4. Study programme (undergraduate, graduate, integrated)	graduate	1.9. Expected enrolment in the course	7
1.5. Status of the course	elective	1.10. Level of application of e-learning (level 1, 2, 3), percentage of online instruction (max. 20%)	1
2. COURSE DESCRIPTION			
2.1. Course objectives	<ul style="list-style-type: none"> - hardware and software (parts of a computer, types of software, extensions, turning on, operative systems – basics of MS Windows) - Basics of text processors (MS Word, parts of the Office package – data bases, calculating tables) - Basics of the Internet (WWW – connecting and usage, the usage of hyperlinks, HTML documents) - Computer notations (programmes for notation – basics, usage of graphic programmes and combination with text processors) - Basics of the MIDI protocol (connecting with MIDI instruments and the usage of sound card, programmes for editing MIDI data – sequencers) - Computer and sound (generating sound through the computer, basics of audio data, editing of an audio file, saving). 		
2.2. Course enrolment requirements and entry competences required for the course	-		
2.3. Learning outcomes at the level of the programme to which the course contributes	<p>After completing the study, the student will:</p> <ul style="list-style-type: none"> - Be able to use computer technology as an auxiliary tool for creating, presenting, and textually formatting his/her works - Have knowledge on how technology can be of service to music and composition of music - Have completely developed ability to learn, self-motivate himself/herself, and act independently - Have developed ability to think creatively, solve problems, and work in new and changed circumstances 		

2.4. Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Familiarisation with the computer and computer programmes with an emphasis on the usage of the computer in music Mastering of basic techniques of the usage of the computer (writing of texts, notations, listening to and creating music, the Internet).						
2.5. Course content broken down in detail by weekly class schedule (syllabus)	Introductory word on the course. Types of musical computer programmes. Elements of the computer. Binary arithmetic and logical circuits. Saving of digital data. Windows operating system. The Internet and search. Theory and exercises: Microsoft Word theory and exercises. Microsoft Excel theory and exercises. Microsoft PowerPoint. Basics of the Internet. The history of electronic music. Theory: Architecture of an analogous synthesiser. Working with an analogous synthesiser. Basics of the MIDI protocol. Digital audio. Recording and editing in the Audacity programme. Computer notation. Theory and exercises: Sibelius programme for notation.						
2.6. Format of instruction:	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input type="checkbox"/> online in entirety <input type="checkbox"/> partial e-learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and the internet <input type="checkbox"/> laboratory <input type="checkbox"/> work with mentor <input type="checkbox"/> (add other)	2.7. Comments:			A group of 9 students (the number of working places in the computer room).	
2.8. Student responsibilities	Regular class attendance, complete conscientious fulfilment of independent assignments.						
2.9. Screening student work	Class attendance	YES	Research		Practical work		
	Experiments		Report		(add other)		
	Essay		Seminar paper		(add other)		

	Preliminary exam	YES	Oral exam		(add other)	
	Written exam	YES	Project		(add other)	
2.10. Grading and evaluating student work in class and at the final exam	At the end of the Winter semester: written preliminary exam based on final study material. Written and oral final exam.					
2.11. Required literature (available in the library and via other media)	Title			Number of copies in the library		Availability via other media
	Zlatko Tanodi: Osnove elektroničke glazbe, skripta					
	The manual for the programme Audacity					
	The manual for the programme Sibelius					
2.12. Optional literature (at the time of submission of study programme proposal)	-					
2.13. Quality assurance methods that ensure the acquisition of exit competences	The basis for evaluating work of an individual student is his/her regular class attendance, activity during classes, quality of performed tasks out of the classroom, and the final exam. The Music Academy will organise the evaluation of teaching via the anonymous questionnaire.					
2.14. Other (as the proposer wishes to add)	-					