Institution: Lithuanian Academy of Music and Theatre Name of the subject: Information and Communication Technology 101 (in English) ECTS credits: 3 Lecturers: Roberto Becerra / LMTA(<u>roberto.becerra@lmta.lt</u>), Matti Ruippo / TUAS Assessment (exam): Pass/fail. Distance lectures: From 3 rd week of September, 2023 Registration: until 8 of September <u>HERE</u> and in your high school.

## INFORMATION AND COMMUNICATION TECHNOLOGY 101 (IN ENGLISH)

Subject (me	odule) title	Subject (module) code	Study Programme (-s)				
Information and Communication	All						
Lecturer (-s)	Department where the subject is delivered						
<b>Coordinator:</b> Roberto Becerra. <b>Others:</b> Matti Ruippo - Tamper	Music Innovation Studies Centre						
	Type of the subject (module)						
First	Elective						
Mode of delivery	Semester or period when t	Language (-s) of instruction					
Online	Online Spring semester						
Pre-requisites and co-requisites							
Pre-requisites: -	<b>Co-requisites (if any):</b> English language						
Number of ECTS credits	Self-study hours						
3	80	50					
Aim of the subject (module)							
Provide students with basic knowledge and practical skills on selected topics of information technologies. These topics include elementary digital audio literacy, video formats, recording and publishing and self published website/blogs.							
Abstract of the subject (module) (up to 500 characters)							
This module presents introductory knowledge on digital technologies that are characterise for its relation to communication and dissemination of content. Those technologies start from lectures on digital formats and related concepts about audio. Following is a section on video creation, editing and streaming tools. The course finishes with an overview of tools for self publishing in website making platforms, namely wordpress. The course is composed of 12 selected topics, where the students will do self-study, with either a questionnaire or a task at the end of every lesson in order to test or apply the understanding							

of the section.

Programme learning outcomes to be delivered	Learning out subject (mo deliv	comes of the dule) to be ered	Teaching and learning methods	Assessment methods
Basic knowldege of audio in general and digital audio technologies	Familiarity wit technology and formats.	n digital audio digital audio	The course is designed as self-study, where the students decide their own timing for	The evaluation method is by having either a task or a series of questions at the

	Familiarity with digital and analogue audio tools and hardware.	reading through the material provided. Lecturers are available for consultation	end of every section of the course, and giving a proportion of the final	
Basic knowledge in video creation, editing and streaming technologies and tools.	Familiarity with video parameters such as resolution, ratios, standards and formats.	during the length of the course. At the end of every subject there are control tasks and/or questionnaires to insures understanding of the topics.	mark upon completion of the task/questionnaire (each of them with 10/12 value)	
	Familiarity with creation, editing and streaming of video content over common platforms such as youtube.			
Basic knowledge in self publishing website creations tools, (CMS)	Familiarity with the basics of Content Management Systems (CMSs).			
example.	Implementation of a simple self- published blog on wordpress to include the students' own work or portfolio.			

	Contact Hours						
Topics	Lectures in groups (online learning)	Practical training in groups / seminars	Individual classes	Total contact work hours	Self – study hours	Self – study assignments	
1. Introduction to course. Analogue and Digital Audio	3				2	Read week's content. Answer concept quiz about content.	
2. ADC & DAC   Sampling Rates and Bit Depth	2				4	Read week's content. Answer concept quiz about content.	
3. File formats   Compression	2				4	Read week's content. Answer concept quiz about content.	
4. DAWs   Mixing   Interfaces	2				4	Read week's content. Answer concept quiz about content. Download and use or a [different] DAW	
5. Video Features: Key Concepts: screen resolution and aspect ratio	2				4	Read week's content. Answer a feedback and concept quiz.	
6. Video compression standards, frame rate	2				4	Read week's content. Answer a feedback quiz.	
7. YouTube upload video settings	2				4	Read week's content. Answer a feedback quiz. Make and upload a video.	

8. Streaming with YouTube	2				4	Read week's content. Answer a feedback quiz. Practice streaming video
9. Basic video editing with (free) Clipchamp editor	2				4	Read week's content. Answer a feedback quiz. Practice editing video
10. Introduction to websites and CMS	2				4	Read week's content. Create an initial draft of a website.
11. Design   Embedding   Social Networks	2				4	Read week's content. Add social network functions in website.
12. Mailing lists   RSS	2				4	Read week's content. Add mailing list functionality to website.
13. Consultations	5				4	Preparing for the exam.
In total:	30	0	0	0	50	

Assessment strategy	Weight in per cent	Deadline for completing the assignments	Assessment criteria
Attendance		During the semester	Assessed: quality of task completion, timely completion of tasks.
Pass / Fail	100 %	During the exams session	In total there are 12 quizzes and/or tasks, and the grade is divided by each of them being worth 100/12.

Author	Year of publication	Title	No. of periodical or volume of publication	Publisher (place, publishing office) or Internet link
Compulsory s	study materials			
Craig Stuart Snapp	1997	WAVE PCM soundfile format http://soundfile.sapp.org/doc/Wave Format/		Stanford
Rob Boffard	2018	WAV VS. FLAC VS. MP3: AUDIO FILE FORMATS EXPLAINED		The Master Switch
Mailchimp	2022	Official website https://mailchimp.com		Mailchimp
Audacity	2022	Official website https://audacityteam.org		Aiudacity
Wordpress	2022	Official website https://wordpress.com		Wordpress
Clipchamp	2022	Official website https://clipchamp.com		Clipchamp