Course Unit Descriptor

Study Programme: Audiovisual Media (Modules: Camera, Editing in Audiovisual Media, Sound Recording and Design, Lighting Design, Production in Audiovisual Media, Animation and Visual Effects, Music Production)	
Course Unit Title: Audiovisual Media Technology 1	
Course Unit Code: TAM 1	
Name of Lecturer(s): Siniša Isakov	
Type and Level of Studies: Undergraduate academic studies	
Course Status (compulsory/elective): Compulsory	
Semester (winter/summer): Winter	
Language of instruction: English	
Mode of course unit delivery (face-to-face/distance learning): Face-to-face	
Number of ECTS Allocated:2	
Prerequisites: None	

Course Aims:

To provide students with the knowledge about the available audiovisual technologies so they canunderstand and follow the process of technological development

Learning Outcomes:

By adopting the basic knowledge of audiovisual media technology, students are trained to independently use the devices for creation, gathering and processing of the audiovisual content. They are able to follow other courses in their professional field, understand and stay up-to-date with the technological development of audiovisual media.

Syllabus:

Analog and digital audio and video signals. Advantages and disadvantages of analogue signals.

Advantages and disadvantages of digital signals. Signal digitalisation: Measuring (*Nyquist theorem*), quantisation and coding.

Image sensor (CCD, CMOS), primary colors, white balance, and basicfeatures of a video camera. Microphones (how they operate and basic features). Video displays, speakers and headphones (how they operate and basic features).

Required Reading:

"Technology of Audiovisual Media" notes and presentations

WeeklyContact Hours:2	**Lectures:**2		**Practical work:**0	
Teaching Methods: Group lectures				
Knowledge Assessment (maximum of 100 points):100				
Pre-exam obligations	points	**Final exam**	points	
Active class participation	15	Written exam	20	
Practical work	30	Oral exam	25	
Preliminary exam(s)		…….		
Seminar(s)	10			
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam,				

project presentation, seminars, etc.