Course Syllabus

Code - Course Title	**MÜZ559 - Sound Design I**
Course Type	I. SEMESTER
Laboratory + Practice	1+1
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	DOÇ. DR. ONUR DÜLGER

Mode of Delivery	face to face
Prerequisites	non prerequisites
Courses Recomended	Non
Recommended Resources	CIPRIANI A., GIRI M. Electronic Music and Sound Design 1, Contemponet, 2016
Work Placement	performance of a work

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to Sound Synthesis: Sound synthesis and signal processing	
Week - 2		Frequency amplitude and waveform, Envelopes and glissandi	
Week - 3		Frequency and musical interval, Sampled sound, Panning	
Week - 4		Additive And Vector Synthesis: Fixed spectrum	
Week - 5		Vector synthesis, Variable spectrum	
Week - 6		Noise Generators, Filters And Subtractive Synthesis: Sound sources for subtractive synthesis	
Week - 7		Various Filters, The Q factor	
Week - 8		Filter order, Subtractive synthesis, Equations for digital filters	
Week - 9		Parallel connected filters and graphic equalization	
Week - 10		Parametric eq and shelving filters, Impulses and resonant bodies	
Week - 11		Control Signals: Stereo panning	
Week - 12		DC Offset, For frequency and amplitude	
Week - 13		Varying the duty cycle, For filters	
Week - 14		Other generators, Multi-channel panning.	

Learning Outcomes

#	Learning Outcome
1	Learns the filter systems
2	Learns how to do scientific research.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.