

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
SOUND DESIGN and TECHNOLOGIES	YMI4110586	Fall Semester	1+2	2	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. Doğa ÇÖL				
Name of Lecturer(s)	Assist.Prof. Doğa ÇÖL				
Assistant(s)					
Aim	The aim of this course is to inform students about the use of sound technology equipment as well as information about sound technology.				
Course Content	This course contains; How does sound occur? How does sensation occur? Ear and Sensation, Sound physics 1 What is sound? Sound wave, Sound Frequency, Sound physics 2 Phase change, Sound Power, Sound pressure, Sound level, Acoustics, field perception, signal processors (Equalizer, De-esser, expender. Reverb), Analog and digital audio, digital edit, recording, sampling, sorting, storage, working principles of programs, Introduction of analog studio equipment, Introduction of digital studio equipment Computer technology and operating principles, Working principles of microphones, microphones and microphones, Sound installation programs basic recording assembly applied 1- Laboratory, Sound assembly programs basic recording assembly applied 2- Laboratory, Project preparation techniques, recording and assembly trials, Project preparation, Production construction stages, Production, Production production evaluation.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
They will learn all the development processes related to sound technology.			14, 16	A	
Recognize and use analog and digital equipment.			16, 6	A	
Will be able to record and assemble in advanced level.			14, 2, 6	E	
Production (will be able to organize production stages.			14, 6	E, H	
Teaching Methods	14: Self Study Method, 16: Question - Answer Technique, 2: Project Based Learning Model, 6: Experiential Learning				
Assessment Methods	A: Traditional Written Exam, E: Homework, H: Performance Task				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	How does sound occur? How does sensation occur? Ear and Sensation				
2	Sound physics 1 What is sound? Sound wave, Sound Frequency				
3	Sound physics 2 Phase change, Sound Power, Sound pressure, Sound level,				
4	Acoustics, field perception, signal processors (Equalizer, De-esser, expender. Reverb)				
5	Analog and digital audio, digital edit, recording, sampling, sorting, storage, working principles of programs				
6	Introduction of analog studio equipment				
7	Introduction of digital studio equipment Computer technology and operating principles				
8	Working principles of microphones, microphones and microphones				
9	Sound installation programs basic recording assembly applied 1- Laboratory				
10	Sound assembly programs basic recording assembly applied 2- Laboratory				
11	Project preparation techniques, recording and assembly trials				
12	Project preparation, Production construction stages				
13	Production				
14	Production production evaluation				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Ses kayıt ve müzik teknolojisi; Ufuk Onan, Digital Audio Broadcasting Principles and Applications of Digital Radio; Hoeg W.tez, Dijital İletişim ve Yeni Medya; İspir, Y. B, slayt sunum,