	ARCHITE								
1	Course Title:	ARCHITECTURAL ACOUSTICS II							
2	Course Code:	MIM4048							
3	Type of Course:	Optional							
4	Level of Course:	First Cycle							
5	Year of Study:	4							
6	Semester:	8							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	NONE							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Öğr. Gör	. ZEYNEP BORA ÖZYURT						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	zbozyurt@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	Acoustic design in architecture is the design process aimed at providing acoustic comfort conditions suitable for functions. Health and efficient buildings can be provided by means of providing he acoustic comfort conditions. Residences, offices, hotels, hospitals, sports halls, schools, theaters, opera-concert halls, transportation structures, religious buildings, shopping malls, entertainment centers, etc. All structures built for human use and covered by architecture are within the scope of architectural acoustics. The aim of the Architectural Acoustics II course is to enable students to learn the criteria that should be considered in order to provide acoustic comfort conditions and to produce appropriate solutions within the framework of building acoustics. The noise sources in the built environment, the effects of noise on people, criteria and standards, measurement techniques., detail design for noise control in volumes with different functions and between volumes are covered within this course. This couse will be conducted via face-to face. In the transfer of theoretical knowledge, computer presentations will we used. Occasionally studio work will be carried out with students and they will be asked to make presentations. At the end of the semester, each student will submit a graduation project which they will develop throut the semester with critiques.							
19	Contribution of the Course to Professional Development:	The lecture will give students the ability to analyze the theoretical knowledge gained within the course and offers solutions to problems encountered in practice. It will give students the awareness of professional and ethical responsibility.							
20	Learning Outcomes:								
		1	To acquire basic knowledge of acoustic theory						
		2	Basic knowledge of building acoustics						
		3 To learn how to control transmission of sound and noise							

		1	i						
		4	Acquiring the skills of selecting suitable building materials for acoustic requirements						
		5	Acquiring the skills of selecting suitable building materials for acoustic requirements						
		6	Acquiring the skills of developing suitable details for acoustic requirements						
		7	To acquire basic kno environmental noise	wledge about mechar and vibration control	nical /				
		8							
		9							
		10							
21	Course Content:		•						
		Co	ourse Content:						
Week	Theoretical		Practice						
1	Introduction to Acoustics								
2	Basic Building Acoustics Theory								
3	Standarts & criteria Acoustical comfort levels and allowal sound limits	ble							
4	Background noise control								
5	Sound isolation performances of buil elements	ding							
Activit	tes		Number	Duration (hour)	Total Work Load (hour)				
Th ç ore	Solund isolation performances of buil	ding	14	2.00	28.00				
	als/Labs		0	0.00	0.00				
Self stu	dectudep/tepetasionstudio works - Res	earch	10	2.00	20.00				
Homev	vorks		7	4.00	28.00				
Project	Fisolation calculation program	J	1	5.00	5.00				
Field S			0	0.00	0.00				
Midterr	exams Lecture / Critiques on final proiects		1	1.00	1.00				
Others	TLECIONE / CHILIDUES OF HIM DIVIEUS		0	0.00	0.00				
Final E	kams		1	4.00	4.00				
Total V	Vork Load				87.00				
Total w	ork load/ 30 hr				2.87				
	Credit of the Course				3.00				
	Lecture / Critiques on final projects								
13	Critiques on final projects								
14	Critiques on final projects								
22	Textbooks, References and/or Other Materials:		 Egan M., David, Architectural Acoustics, McGraw-Hill INC., NewYork, 1988. Long, M., Architectural Acoustics, Academic Press, 2014. L.L. Beranek., Acoustics, ASA, NY, 1993. Turkish Regulation on Protection of Buildings from Noise 						
23	Assesment								
23									

TERM LEARNING ACTIVITIES	NUMBE R	WEIGHT					
Midterm Exam	1	30.00					
Quiz	2	10.00					
Home work-project	5	10.00					
Final Exam	1	50.00					
Total	9	100.00					
Contribution of Term (Year) Learning Activitie Success Grade	es to	50.00					
Contribution of Final Exam to Success Grade	9	50.00					
Total		100.00					
Measurement and Evaluation Techniques Us Course	ed in the	Class attendance, assignments and in-class work will constitute 20% of the total course grade. Mid-term exam will constitute 30% of the total course grade. There will be no final exam, final evaluation will be conducted through a project submission.					

24 ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0
ÖK2	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0
ÖK3	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0
ÖK4	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0
ÖK5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0
ÖK6	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0
ÖK7	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	on j			3 Medium			4 High			5 Very High						