BUILDING PHYSICS										
1	Course Title:	BUILDING PHYSICS								
2	Course Code:	MIM3003								
3	Type of Course:	Compulsory								
4	Level of Course:	First Cycle								
5	Year of Study:	3								
6	Semester:	5								
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:	-								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Prof. Dr. FILIZ ŞENKAL SEZER								
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	filizss@gmail.com, Tel: 0. 224. 2942126 Uludağ Üniversitesi Müh Mim. Fak. Mimarlık Bölümü								
17	Website:									
18	Objective of the Course:	This course has fundamental knowledge about concept of physical environment and elements of building physics. The aim of this course is to give information about thermal comfort, heat insulation, humidity and condensation, sound insulation, noise control and lighting (natural and artificial light sources). This course aims to take measures to ensure comforts provisions so that people can be healthy and productive in their living quarters and to teach the environmental control criteria for the planning and construction phases of a building. It also aims to teach how to take measures to ensure comfort provisions in people's living quarters for a healthy and productive life.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	To recognize the concept of building physics							
		2	To have knowledge about building physics problems							
		3	To know the measures and appropriate solutions against building physics problems							
		4	To gain research skills, teamwork skills, speaking and writing skills, graphic skills to work, ability to benefit from the examples and critical thinking skills							
		5								
		6								
		7								
		8								
		9								
		10								
21	Course Content:									

	Course Content:										
Week	Theoretical	actice									
1	The aim and the scope of the course Physics Mechanical effects and building phys problems, mechanical deformations a material selection	: Building ics and									
2	Mechanical effects and building phys problems, mechanical deformations a material selection	ics and									
3	Thermal conductivity, thermal comfor factors of affecting the thermal comfor	t and ort									
4	The importance of thermal insulation energy savings, measures against he in buildings, insulation applications	and eat loss									
5	Insulating materials and their propert	ies									
6	Heat loss calculation on the walls (TS	825)									
7	Midterm exam and Course review										
8	Effect of water-humidity and building problems, condensation control	physics									
9	Account of transpiration and condens control in different wall sections	sation									
Activit	es			Number	Total Work Load (hour)						
Th eb re	Calculation of permeability values of	sound in	Tŕ	14	2.00	28.00					
Practica	als/Labs		(0	0.00	0.00					
Seli2stu	ethasid-preparediceffects and building	physics	Tŕ	13	3.00	39.00					
Homew	vorks		ŕ	1	15.00	15.00					
Project	hydronia and vertices in terms or build bhysics in constructions. Presentation	n of	Π	0	0.00	0.00					
Field S	tudies		(0	0.00	0.00					
Midtern	h exams		H	1	2.00	2.00					
Others			ŕ	1	6.00	6.00					
Final E	kams		ľ	1	2.00	2.00					
Total W	/ork Load					94.00					
Total w	Materalsio hr		Ph	NSICS and Materials),	Literatür Yayınları, LDIZ E ve TURAN	sta p bul.					
ECTS (Credit of the Course					3.00					
			No Ya	No: G 20, Istanbul. Yalıtım Dergisi (Insulation Magazine)(periodicals)							
23	Assesment										
TERM L	EARNING ACTIVITIES	WEIGHT									
Midterm Exam 1				30.00							
Quiz 0				0.00							
Home work-project 1				10.00							
Final Exam 1				60.00							
Total		3	100.00								
Contribution of Term (Year) Learning Activities to Success Grade				40.00							

Contribution of Final Exam to Success Grade								60.	60.00								
Total								100	100.00								
Measurement and Evaluation Techniques Used in the Course								ne									
24 ECTS / WORK LOAD TABLE																	
25	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	4	3	2	3	0	3	0	3	3	3	0	0	0	0	0	
ÖK2	5	4	3	2	3	0	3	0	3	3	3	0	0	0	0	0	
ÖK3	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK4	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	
LO: Learning Objectives PQ: Program Qualifications																	
Contrib 1 very low ution Level:				2 Iow		3	3 Medium			4 High			5 Very High				