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		Ρ	ractice							
1	The aim and the scope of the course Physics Mechanical effects and building phys problems, mechanical deformations a material selection	ics	3								
2	Mechanical effects and building phys problems, mechanical deformations a material selection										
3	Thermal conductivity, thermal comfor factors of affecting the thermal comfo										
4	The importance of thermal insulation energy savings, measures against he in buildings, insulation applications										
5	Insulating materials and their properti	es									
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	ation									
Activit	es			Number	Duration (hour)	Total Work Load (hour)					
Th e bre	Calculation of permeability values of	sound in		14	2.00	28.00					
Practicals/Labs				0	0.00	0.00					
Self2stu	Phasid-preparedication	physics		13	3.00	39.00					
Homew				1	15.00	15.00					
Project physics in constructions, Presentation of				0	0.00						
Field S				0	0.00						
Midtern 11	n exams It ight and sound control in architectur	Έ.		1	2.00	2.00					
Others				1	6.00	6.00					
Final E	kams			1	2.00	2.00					
	/ork Load		_			94.00					
	Matetals30 hr		K	nysics and Materials), △RAKOC H ve BİNVI	Literatur Yayınları, L <u>DIZ E ve TLIRΔN</u>	IO 1000					
ECTS	Credit of the Course		No: G 20, Istanbul. Yalıtım Dergisi (Insulation Magazine)(periodicals)								
23	Assesment										
	EARNING ACTIVITIES	R	WEIGHT								
Midterm Exam 1			30.00								
Quiz 0				0.00							
Home work-project 1			10.00								
Final E	xam	1	60.00								
Total		3	100.00								
	oution of Term (Year) Learning Activitiens Grade	es to	4	0.00							

Contribution of Final Exam to Success Grade						60.	60.00										
Total						100	100.00										
Measurement and Evaluation Techniques Used in the Course						ie											
24	ECT	S/	WOI	RK L	OAD	TAB	LE										
25 CONTRIBUTION OF LEARNING OUTCOMES TO PRO QUALIFICATIONS										PRO	GRAM	ME					
	Р	Q1	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	1	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
	•		I	O: L	earr	ning (bjec	tive	s P	Q: P	rogra	ım Qu	alifica	ations	5	•	•
Contrib 1 very lution Level:			ow		2 low		3	Medi	ium	um 4 High				5 Very High			