BUILDING MATERIALS

1	Course Title:	BUILDING MATERIALS	
2	Course Code:	MIM2011	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	3	
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 face	
14	Course Coordinator:	Doç.Dr. ZEHRA SEVGEN PERKER	
15	Course Lecturers:	Doç. Dr. Rengin BECEREN ÖZTÜRK	
16	Contact information of the Course Coordinator:	zsperker@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	This course aims to introduce construction materials to the students in order to equip them with a proper approach for selection and application of materials so that they can attain accurate results.	
19	Contribution of the Course to Professional Development:	This course contributes to professional development in correct architectural practices by ensuring the recognition of building materials.	
20	Learning Outcomes:		
		1	To understand the student's building materials and application methods of recognition
		2	To conduct research on building materials, group work and analytical thinking skills
		3	To be aware of building material - international, national and regional particularities
		4	Understanding of ecology and sustainability in construction material
		5	To be aware of the building material application methods and mounting.
		6	The role of architecture, materials selection, and customer
		7	To be aware of and able to follow the development of the construction material
		8	To use effectively the necessary equipments required
		9	
		10	
21	Course Content:		
	Course Content:		
Week	Theoretical	Practice	
1	Introducing the course content, program, course resources and homework		

2	Classification and definition of physical, chemical, mechanical properties of building materials, definition and investigation of building materials	
3	Analysis of natural stone materials	
4	Analysis of connector materials, gypsum, lime and cement	
5	Analysis of artificial stone building material, mortar, concrete and specific concrete. Technical trip.	
6	Analysis of baked clay material	
7	Analysis of glass material	
8	Analysis of metal material	
9	Analysis of wood material	
10	Analysis of plastic building material	
11	Analysis of paint materials	
12	Analysis of nanotechnological materials	
13	Homework presentation	
14	Homework presentation	

22	Textbooks, References and/or Other Materials:	Eriç, M., 1994, “Yapı Fiziği ve Malzemesi”, Literatür Yayınları, İstanbul. Ersoy, H.Y. "Kompozit Malzeme", Literatür Yayınları, Sönmez, N., 1997, “Osmanlı Dönemi Yapı ve Malzeme Teydemir, N. Gürdal, E. Tanacan L., "Yapı Elemanı

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	1	32.00	32.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	1.00	1.00
Others	0	0.00	0.00
Final Exams	1	1.00	1.00
Total Work Load			91.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Quiz	0	0.00
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		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		When the number of students is below 20, absolute evaluation is applied, and when the number of students is above 20, the relative evaluation system is used. Course success is evaluated through the midterm exam (test), final exam (test) and homework.

24	**ECTS / WORK LOAD TABLE**

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	5	4	2	1	2	1	1	3	2	1	1	0	0	0	0	0
ÖK2	3	3	1	1	1	1	5	1	1	3	1	0	0	0	0	0
ÖK3	3	3	2	1	4	1	1	5	1	1	1	0	0	0	0	0
ÖK4	3	1	5	1	1	1	1	1	1	4	2	0	0	0	0	0
ÖK5	5	5	1	4	3	2	1	3	2	4	3	0	0	0	0	0
ÖK6	1	3	1	3	1	4	5	3	3	4	3	0	0	0	0	0
ÖK7	1	1	1	2	1	1	1	2	4	5	1	0	0	0	0	0
ÖK8	3	4	5	2	4	1	1	3	4	5	1	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**