

PERFORMANCE IN BUILDING MATERIAL

1	Course Title:	PERFORMANCE IN BUILDING MATERIAL	
2	Course Code:	MIM5049	
3	Type of Course:	Optional	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	6.00	
8	Theoretical (hour/week):	3.00	
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:	Doç.Dr. ZEHRA SEVGEN PERKER	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	zsperker@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	The aim of this course is to teach that the performances of building materials (nature, environmental effects, production processes and use), life and deterioration of building materials.	
19	Contribution of the Course to Professional Development:	This course contributes to professional development in using building materials in accordance with its performance and realizing the correct architectural practices.	
20	Learning Outcomes:		
		1	Teaching the performances of building materials (nature, environmental effects, production processes and use), life and deterioration of building materials.
		2	Teaching academic research on the performances of building materials
		3	Teaching orally and writing to the performances of building materials research accurately
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21	Course Content:		
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Week	Theoretical	Practice	
1	To Define That the Performance of Building Materials		
2	Properties of Building Materials, Material Life – Deterioration Relationship		

3	Properties of Building Materials, Material Life – Deterioration Relationship	
4	Physical, Chemical, Mechanical, Biological and Human Based Problems of Building Materials	
5	Physical, Chemical, Mechanical, Biological and Human Based Problems of Building Materials	
6	Production Processes of Building Materials, Material Life – Deterioration Relationship	
7	Production Processes of Building Materials, Material Life – Deterioration Relationship	
8	Environmental Effects of Building Materials, Material Life – Life Cycle and Deterioration Relationship	
9	Environmental Effects of Building Materials, Material Life – Life Cycle and Deterioration Relationship	
10	Performance of Building Materials in Building Component Level	
11	Performance of Building Materials in Building Component Level	
12	Performance of Building Materials in Building Component Level	
13	Homeworks Presentation	
14	Homeworks Presentation	
22	Textbooks, References and/or Other Materials:	Cook, G., Hinks, J. (1997). Technology of Building Defects, Spone Press. Duggal, S.K. (2008). Building Materials, New Age International Publishers. Ransom, W.H. (2005). Building Failures, Spon Press. Toydemir, N. (2011) Yapı Elemanı Tasarımında Malzeme, Literatür Yayıncılık. Weston, R. (2003). Materials, Form and Architecture, Laurence King Publishing.
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
Midterm Exam		1
Quiz		0
Homeworks, Performances		1
Final Exam		1
Total		3
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		Course success is evaluated through the midterm exam (written exam), final exam (written exam) and homework.
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	6.00	84.00
Homeworks, Performances	1	40.00	40.00
Projects	0	0.00	0.00
Field Studies	4	2.00	8.00
Midterm exams	1	3.00	3.00
Others	0	0.00	0.00
Final Exams	1	3.00	3.00
Total Work Load			183.00
Total work load/ 30 hr			6.00
ECTS Credit of the Course			6.00

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	2	3	5	5	2	2	1	1	5	5	5	0	0	0	0
ÖK2	5	2	3	5	5	2	2	1	1	5	3	5	0	0	0	0
ÖK3	5	2	3	3	3	2	2	1	1	3	3	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low		2 low			3 Medium			4 High			5 Very High				