TRANSFORMATIONANDMATERIALPROBLEMS IN BUILDINGS

1	Course Title:	TRANSFORMATIONANDMATERIALPROBLEMS IN BUILDINGS
2	Course Code:	MIM6039
3	Type of Course:	Optional
4	Level of Course:	Third 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 transformation - deterioration - building materials relationship and building material problems in transformation.
19	Contribution of the Course to Professional Development:	This course contributes to professional development in understanding the changes in architectural structures over time and the building material problems caused by them and ensuring the long-lasting use of buildings.
20	Learning Outcomes:	
	1	Teaching transformation - deterioration - building materials relationship
	2	Teaching building material problems in transformation
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21	Course Content:	

Course Content:

Week	Theoretical	Practice
1	Introducing the scope and introduction of the course, extracting the resources of the course	
2	The concept of change and its relationship with building	
3	Classification of change in building	

4	The concept of deterioration and its relationship with building	
5	Types of deterioration in the building due to the change process	
6	Types of deterioration in the building due to the change process	
7	Types of deterioration in the building due to the change process	
8	Types of deterioration in the building due to the change process	
9	Physical problems of the material in the context of change and deterioration relationships in the building	
10	Physical problems of the material in the context of change and deterioration relationships in the building	
11	Chemical problems of the material in the context of change and deterioration relationships in the building	
12	Mechanical problems of the material in the context of change and deterioration relationships in the building	
13	Biological problems of the material in the context of change and deterioration relationships in the building	
14	Other problems of the material in the context of change and deterioration relationships in	

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	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

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		Course success is evaluated through the midterm exam (written exam), final exam (written exam) and homework.

24	**ECTS / WORK LOAD TABLE**

Materials.
Cook, G., Hinks, J. (1997). Technology of Building Defects, Spone Press.
International Publishers.
Ralft, J.M. (2008). Adaptive Reuse Development. Special
Toydemir, N. (2011). Yapı Elemanı Tasarımında Malzeme,

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	4	0	4	5	0	0	5	0	0	0	0	0	0	0	0	0
ÖK2	4	0	4	5	0	0	5	0	0	0	0	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			