PROTECTIVE MATERIALS FOR BUILDINGS

1	Course Title:	PROTECTIVE MATERIALS FOR BUILDINGS	
2	Course Code:	MIM4031	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	7	
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:		
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 building protection and protective materials in buildings.	
19	Contribution of the Course to Professional Development:	This course contributes to professional development in conservation and longevity of architectural structures, comfortable living environments for building users, and environmental sustainability provides.	
20	Learning Outcomes:		
		1	Teaching building life, factors which affect building life and relationship between these two.
		2	Teaching building protection and protective materials in buildings, relationship between building life and building material.
		3	Teaching protective building materials and their design, system, details and applications with the comprehension of a holistic perspective relation.
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21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Building Life, Factors Which Affect Building Life and Relationship Between These Two	
2	Building Damages and Relationship Between Damage and Building Material	

3	Concept of Building Protection, Relationship Between Protection and Building Material	
4	Building Protection Methods, Relationship Between These Methods and Building Material	
5	Classification of Protective Building Material	
6	Insulation Materials	
7	Insulation Materials	
8	Insulation Materials	
9	Covering	
10	Plaster	
11	Paint Materials	
12	Silicones, Mastics, Watertops, Sealants	
13	Construction Chemicals	
14	Homeworks Presentation	

22	Textbooks, References and/or Other Materials:	Eriç, M. (1994) Yapı Fiziği ve Malzemesi, Literatür Yayıncılık Toydemir, N. (2011) Yapı Elemanı Tasarımında Malzeme, Literatür Yayıncılık.
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Home work-project	1	20.00
Total	3	100.00
Success Grade		
Contribution of Final Exam to Success Grade		60.00
Total		100.00

Course evaluation is applied, and when the number of students is above 20, the relative evaluation system is used. Course final exam (test) and homework.

24 ECTS / WORK LOAD TABLE

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	20.00	20.00
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			93.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

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	5	1	1	2	1	1	1	1	3	4	0	0	0	0	0
ÖK2	5	5	1	1	2	1	1	1	1	3	4	0	0	0	0	0
ÖK3	5	5	2	1	4	1	1	1	1	3	4	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