

# PROTECTIVE MATERIALS FOR BUILDINGS

<b>1</b>	Course Title:	PROTECTIVE MATERIALS FOR BUILDINGS	
<b>2</b>	Course Code:	MIM4031	
<b>3</b>	Type of Course:	Optional	
<b>4</b>	Level of Course:	First Cycle	
<b>5</b>	Year of Study:	4	
<b>6</b>	Semester:	7	
<b>7</b>	ECTS Credits Allocated:	3.00	
<b>8</b>	Theoretical (hour/week):	2.00	
<b>9</b>	Practice (hour/week):	0.00	
<b>10</b>	Laboratory (hour/week):	0	
<b>11</b>	Prerequisites:	None	
<b>12</b>	Language:	Turkish	
<b>13</b>	Mode of Delivery:	Face to face	
<b>14</b>	Course Coordinator:	Doç.Dr. ZEHRA SEVGEN PERKER	
<b>15</b>	Course Lecturers:		
<b>16</b>	Contact information of the Course Coordinator:	zsperker@uludag.edu.tr	
<b>17</b>	Website:		
<b>18</b>	Objective of the Course:	The aim of this course is to teach building protection and protective materials in buildings.	
<b>19</b>	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.	
<b>20</b>	Learning Outcomes:		
		<b>1</b>	Teaching building life, factors which affect building life and relationship between these two.
		<b>2</b>	Teaching building protection and protective materials in buildings, relationship between building life and building material.
		<b>3</b>	Teaching protective building materials and their design, system, details and applications with the comprehension of a holistic perspective relation.
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<b>21</b>	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
<b>1</b>	Building Life, Factors Which Affect Building Life and Relationship Between These Two		
<b>2</b>	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.
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23	Assesment	
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TERM LEARNING ACTIVITIES		NUMBE R	WEIGHT		
Activites			Number	Duration (hour)	Total Work Load (hour)
Home work-project		1	20.00	2.00	28.00
Practicals/Labs			0	0.00	0.00
Self study and preperation		3	14.00	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
<b>24. ECTS / WORK LOAD TABLE</b>					
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
<b>LO: Learning Objectives PQ: Program Qualifications</b>																

<b>Contribution Level:</b>	<b>1 very low</b>	<b>2 low</b>	<b>3 Medium</b>	<b>4 High</b>	<b>5 Very High</b>
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