

BUILDING DAMAGE AND INJURY PREVENTION OF WOODEN RECOVERY SYSTEMS

1	Course Title:	BUILDING DAMAGE AND INJURY PREVENTION OF WOODEN RECOVERY SYSTEMS	
2	Course Code:	MIM5052	
3	Type of Course:	Optional	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	2	
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:		
17	Website:		
18	Objective of the Course:	The aim of this course is to teach that material damages and such damages in the prevention of wood - the methods used to eliminate	
19	Contribution of the Course to Professional Development:	This course contributes to professional development in maintaining the architectural culture created by structures built with wooden materials and designing sustainable new buildings with wooden materials.	
20	Learning Outcomes:		
		1	Teaching the factors that causes damage to the building material of wood
		2	Teaching consisting of wooden building material, physical, chemical, biological and human-induced damages and methods used in analysis and detection
		3	Teaching prevention of damage to wood, current methods and applications
		4	Teaching the evaluation and inference skills on academic research for damage to wood construction material, damage detection and to prevent and to determine methods
		5	Teaching orally and writing in academic research preventing damage to wooden building material accurately
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	

1	Definition of wooden building materials, general properties, the structure's location and shape, structure and properties of wood used in the classification of species	
2	Classification of wooden construction material damages, damages in the underlying principles of investigation, damage assessment and methods of analysis	
3	Classification of wooden construction material damages, damages in the underlying principles of investigation, damage assessment and methods of analysis	
4	The physical origin of wooden construction material damage	
5	The physical origin of wooden construction material damage	
6	The chemical origin of wooden construction material damage	
7	The chemical origin of wooden construction material damage	
8	The biological origin of wooden construction material damage	
9	The biological origin of wooden construction material damage	
10	The human origin of wooden construction material damage	
11	The human origin of wooden construction material damage	
12	Methods and applications for the prevention and elimination of damage to wood	
13	Methods and applications for the prevention and elimination of damage to wood	
14	Methods and applications for the prevention and elimination of damage to wood	
22	Textbooks, References and/or Other Materials:	<p>Alemdaroğlu, T. (1998). Ağaç Kimyası. Gazi Büro Kitabevi, Ankara.</p> <p>Eriç, M., (1994). Yapı Fiziği ve Malzemesi. Literatür Yayınları, İstanbul.</p> <p>Günay, R. (2002). Geleneksel Ahşap Yapılar Sorunları ve Çözüm Yolları. Birsen Yayınevi, İstanbul.</p> <p>Örs, Y., Keskin, H. (2001). Ağaç Malzeme Bilgisi. Atlas Yayın Dağıtım, Ankara.</p> <p>Richardson, B.A. (1993). Wood Preservation. E. & F.N. Spon.</p>
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
		WEIGHT
Midterm Exam	1	10.00
Quiz	0	0.00
Homeworks, Performances	1	30.00
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

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	1	1	3	1	1	1	1	1	1	1	1	0	0	0	0
ÖK2	5	1	1	3	1	1	1	1	1	1	1	1	0	0	0	0
ÖK3	5	1	1	3	1	1	1	1	1	1	1	1	0	0	0	0
ÖK4	4	1	1	5	5	1	1	5	1	1	1	1	0	0	0	0
ÖK5	4	1	1	1	1	1	1	5	1	1	1	1	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

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