

PROBLEMS AND THEIR REMEDIES IN WOODEN BUILDING MATERIAL

1	Course Title:	PROBLEMS AND THEIR REMEDIES IN WOODEN BUILDING MATERIAL	
2	Course Code:	MIM6014	
3	Type of Course:	Optional	
4	Level of Course:	Third 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 SEVGİN 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 wooden building material and structural problems resulting from external influences and material origin, contemporary visual and experimental analysis, the principles and current methods used in problems of wooden buildings, the methods used to solve the problems.	
19	Contribution of the Course to Professional Development:	This course contributes to professional development in maintaining the wood construction culture and designing sustainable structures with wooden materials, by making sure that the problems and solution alternatives of wood building materials are known.	
20	Learning Outcomes:		
		1	Teaching the problems of wood material from use to maintenance
		2	Teaching wooden construction material, structural, and external influences to problems and modern methods used in analysis and detection
		3	Teaching the preferred solution to contemporary problems in the prevention and relief of wood
		4	Teaching contemporary issues for the building material of wood using from the analysis and detection methods to ensure
		5	Teaching engage research on the problems of wooden materials used in buildings, problem definitions and solutions to identified problems to ensure
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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	Consisting of wooden construction material, visual and experimental analysis of the problems of modern principles and methods	
3	Consisting of wooden construction material, visual and experimental analysis of the problems of modern principles and methods	
4	According to the type of wood used in construction of wooden material problems caused by structural features	
5	According to the type of wood used in construction of wooden material problems caused by structural features	
6	According to the type of wood used in construction of wooden material problems caused by structural features	
7	According to the type of wood used in construction of wooden material problems caused by structural features	
8	Problems caused by external influences wood used in building materials	
9	Problems caused by external influences wood used in building materials	
10	Problems caused by external influences wood used in building materials	
11	Modern methods of solution of the problems in the prevention and relief of wood materials	
12	Modern methods of solution of the problems in the prevention and relief of wood materials	
13	Modern methods of solution of the problems in the prevention and relief of wood materials	
14	Homeworks Presentation	
22	Textbooks, References and/or Other Materials:	Alemdaroğlu,T. (1998). Ağaç Kimyası. Gazi Büro Kitabevi, Ankara. Eriç,M., (1994). Yapı Fiziği ve Malzemesi. Literatür Yayınları, İstanbul. Günay, R. (2002). Geleneksel Ahşap Yapılar Sorunları ve Çözüm Yolları. Birsan Yayınevi, İstanbul. Örs, Y., Keskin, H. (2001). Ağaç Malzeme Bilgisi. Atlas Yayın Dağıtım, Ankara. Perker, Z.S. (2004). Geleneksel Ahşap Yapılarımızda Kullanım Sürecinde Oluşan Yapı Elemanı Bozulmalarının Cumalıkızık Örneğinde İncelenmesi, Uludağ Üniversitesi Fen Bilimleri Enstitüsü Mimarlık Anabilim Dalı, Yapı Bilim Dalı, Yüksek Lisans Tezi, Bursa. Richardson, B.A. (1993). Wood Preservation. E. & F.N. Spon. Wood Preservation, NSW Heritage Office Information Sheet, The Maintenance Series 5.1. Morrel, J. (2008). Wood Preservation, University Of Missouri Extension Publishing.
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
Midterm Exam		1
Quiz		0
Homeworks, Performances		1

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