

FROM FOUNDATION TO ROOF, WOODEN MATERIAL DETERIORATION IN BUILDINGS

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| 1 | Course Title: | FROM FOUNDATION TO ROOF, WOODEN MATERIAL DETERIORATION IN BUILDINGS | |
| 2 | Course Code: | MIM3023 | |
| 3 | Type of Course: | Optional | |
| 4 | Level of Course: | First Cycle | |
| 5 | Year of Study: | 3 | |
| 6 | Semester: | 5 | |
| 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: | - | |
| 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 wood construction materials, foundation to roof structure, usage and maintenance of wooden material the use of the resulting damage to the structure, wooden structures, learning problems and provide solutions to 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 buildings with wooden materials, by providing recognition of wooden construction applications and problems and awareness of solution alternatives. | |
| 20 | Learning Outcomes: | | |
| | | 1 | Teaching wood construction materials and wood structures, wood material on past uses to the future of the structure |
| | | 2 | Teaching wood used in buildings for the design, structural systems, detailing and materials and the comprehension of a holistic perspective relations |
| | | 3 | Teaching wooden structures in terms of the physical environment a positive / healthy aspects |
| | | 4 | Teaching the use of wood material, foundation to roof damage to the care of wooden structures, current issues and solution methods for problems |
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| 21 | Course Content: | | |
| | | Course Content: | |
| Week | Theoretical | Practice | |

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|--|--|--|-----------------|------------------------|
| 1 | Wood construction material definition, classification, types, production methods, properties, relevant standards | | | |
| 2 | Wooden structures, uses and usage patterns in the historical process of building material, wood material for structural use and preference causes of the positive features | | | |
| 3 | Located in Anatolia, the carrier system and the various structural elements used in building wood structures, classification and characteristics | | | |
| 4 | Classification of wooden materials used in building damages and design, structural systems, detailing and materials on the basis of the relationships examined | | | |
| 5 | Detection and analysis methods used in wooden construction material damages | | | |
| 6 | Detection and analysis methods used in wooden construction material damages | | | |
| 7 | Detection and analysis methods used in wooden construction material damages | | | |
| 8 | Wood construction material, material damages arising from within | | | |
| 9 | Wood construction material, material damages arising from within | | | |
| 10 | Wood construction material, damage caused by external influences | | | |
| Activites | | Number | Duration (hour) | Total Work Load (hour) |
| Theoretical | of wooden construction material damages | 14 | 2.00 | 28.00 |
| 12 | The methods used in the prevention and relief | | | |
| Practicals/Labs | | 0 | 0.00 | 0.00 |
| Self study | Homework presentation | 14 | 2.00 | 28.00 |
| Homeworks | | 1 | 20.00 | 20.00 |
| 26 | Textbooks, References and/or Other Materials: | Enç, M., (1994). Tapı Fiziği ve Malzemesi, Literatür Yayıncılık, İstanbul. | 0.00 | 0.00 |
| Field Studies | | 4 | 2.00 | 8.00 |
| Midterm exams | | Gözüm Tolanı: Birsen Yayinevi, İstanbul. Ors, Y., Keskin, H. (2001): Ağaç Malzeme Bilgisi. Atlas | 3.00 | 3.00 |
| Others | | 0 | 0.00 | 0.00 |
| Final Exams | | Boydemir, N., Gurdar, E., Fındıçlı, E. (2006). Tapı Elemenı Tasarımında Malzeme, Literatür Yayıncılık, | 3.00 | |
| Total Work Load | | | | 93.00 |
| Total work load/ 30 hr | | | | 3.00 |
| 23 | Assesment | | | |
| ECTS Credit of the Course | | | | 3.00 |
| R | | | | |
| Midterm Exam | | 1 | 20.00 | |
| Quiz | | 0 | 0.00 | |
| Home work-project | | 1 | 20.00 | |
| 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 | | |

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| Measurement and Evaluation Techniques Used in the Course | When the number of students is below 20, absolute evaluation is applied, and when the number of students is above 20, the relative evaluation system is used. Course success is evaluated through the midterm exam (test), final exam (test) and homework. |
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| 24 | ECTS / WORK LOAD TABLE |
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| 25 | CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS | | | | | | | | | | | | | | | |
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| | PQ1 | PQ2 | PQ3 | PQ4 | PQ5 | PQ6 | PQ7 | PQ8 | PQ9 | PQ10 | PQ11 | PQ12 | PQ13 | PQ14 | PQ15 | PQ16 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| ÖK1 | 5 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 0 |
| ÖK2 | 5 | 5 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 0 |
| ÖK3 | 5 | 5 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 |
| ÖK4 | 5 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 |

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| LO: Learning Objectives PQ: Program Qualifications | | | | | | | | | | | | | | | | |
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| Contribution Level: | 1 very low | 2 low | | 3 Medium | | 4 High | | 5 Very High | |
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