MARMARA UNIVERSITY

FACULTY OF ARCHITECTURE AND DESIGN

DEPARTMENT OF ARCHITECTURE

2026-2027 FALL SEMESTER

ARCH 2011 BUILDING MATERIALS II

Lecturer Dr. Seda KAÇEL – seda.kacel@marmara.edu.tr | seda.kacel@outlook.com
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Tuesdays | 13:00-14:50 | MG.7203

Syllabus

Week	Date	Time	Content	Method
1	**29 September 2026 Tuesday**	13:00-14:50	**Introduction**	
2	**06 October 2026 Tuesday**	13:00-14:50	**Thermal insulation materials** Physical, chemical and technological properties Production technologies and application methods	Lecture
3	**13 October 2026 Tuesday**	13:00-14:50	**Research and 3D modeling of examples of thermal insulation material usage in buildings**	Presentation
4	**20 October 2026 Tuesday**	13:00-14:50	**Sound insulation materials** Physical, chemical and technological properties Production technologies and application methods	Lecture
5	**27 October 2026 Tuesday**	13:00-14:50	**Research and 3D modeling of examples of sound insulation material usage in buildings**	Presentation
6	**03 November 2026 Tuesday**	13:00-14:50	**Fire insulation materials** Physical, chemical and technological properties Production technologies and application methods	Lecture
7	**10 November 2026 Tuesday**	13:00-14:50	**Research and 3D modeling of examples of fire insulation material usage in buildings**	Presentation
8	**17 November 2026 Tuesday**	13:00-14:50	**Midterm Exam**	
9	**24 November 2026 Tuesday**	13:00-14:50	**Waterproofing materials** Physical, chemical and technological properties Production technologies and application methods	Lecture
10	**01 December 2026 Tuesday**	13:00-14:50	**Research and 3D modeling of examples of waterproofing material usage in buildings**	Presentation
11	**08 December 2026 Tuesday**	13:00-14:50	**Sustainable materials** Physical, chemical and technological properties Production technologies and application methods	Lecture
12	**15 December 2026 Tuesday**	13:00-14:50	**Research and 3D modeling of examples of sustainable material usage in buildings**	Presentation
13	**22 December 2026 Tuesday**	13:00-14:50	**Innovative materials**	Lecture

			Physical, chemical and technological properties Production technologies and application methods	
14	**29 December 2026 Tuesday**	13:00-14:50	**Research and 3D modeling of examples of innovative material usage in buildings**	Presentation

Attendance: Students are required to attend minimum 70% of all weeks.	
Grading:	
Midterm Exam	30%
Presentations before the Midterm Exam (3 presentations)	10%
Presentations after the Midterm Exam (3 presentations)	10%
Final Exam*	50%
End-of-semester Grade	**100%**

* The date of Final Exam will be announced.