

Vocational School / Construction Technology
2024 - 2025 Academic Year
TECHNOLOGY of ISOLATION
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
TECHNOLOGY of ISOLATION	İNŞ2176970	Fall Semester	3+0	3	4
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. Berk KESKİN				
Name of Lecturer(s)	Assist.Prof. Berk KESKİN				
Assistant(s)					
Aim	To introduce insulation materials used in buildings and to comprehend basics of applications of insulation materials.				
Course Content	This course contains; Water insulation materials and materials specifications,Application details of water insulation materials,Water insulation detail design in building components,Thermal insulation materials and materials specifications,Application details of thermal insulation materials,Thermal insulation detail design in building components,Moisture insulation materials and materials specifications,Application details of moisture insulation materials,Moisture insulation detail design in building components,Sound insulation materials and materials specifications,Application details of sound insulation materials,Sound insulation detail design in building components,Fire insulation materials and materials specifications,Application details of fire insulation materials.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
He/She can opine about application details insulation materials.			10, 19, 5, 9	E, G	
He/She can recognize insulation materials.			10, 19, 5, 9	G	
He/She can interpret the properties of insulation materials.			10, 19, 5, 9	E, G	
Teaching Methods	10: Discussion Method, 19: Brainstorming Technique, 5: Cooperative Learning, 9: Lecture Method				
Assessment Methods	E: Homework, G: Quiz				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Water insulation materials and materials specifications				
2	Application details of water insulation materials				
3	Water insulation detail design in building components				
4	Thermal insulation materials and materials specifications				
5	Application details of thermal insulation materials				
6	Thermal insulation detail design in building components				
7	Moisture insulation materials and materials specifications				
8	Application details of moisture insulation materials				
9	Moisture insulation detail design in building components				
10	Sound insulation materials and materials specifications				
11	Application details of sound insulation materials				
12	Sound insulation detail design in building components				
13	Fire insulation materials and materials specifications				
14	Application details of fire insulation materials				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Topçuoğlu K., Yalıtım Teknolojisi, Nobel Akademik Yayıncılık Tekin Ç., Diri C., Bonfil J., Mimari Yapılarda Su Yalıtımı, Yem Kitabevi Ekinci C. E., Yalıtım Teknikleri, Atlas Yayınevi Course presentation