

Vocational School / Construction Technology
2024 - 2025 Academic Year
STRENGTH of MATERIALS II
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
STRENGTH of MATERIALS II	İNŞ2176990	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 give an ability to apply the knowledge of strength of materials on construction applications.				
Course Content	This course contains;				
Course Learning Outcomes				Teaching Methods	Assessment Methods
Teaching Methods					
Assessment Methods					
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1		Stress-Strain Diagram			
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
F.P.Beer,E.R.Jonhston, "Mechanics of Materials", McGraw-Hill, 1992.Mustafa İnan, Cisimlerin Mukavemeti, İTÜ Vakfı. 2015. Prof. Dr. Mustafa Savcı, Prof. Dr. Alaeddin Arpacı" Mukavemet Teorik Esaslar, Çözümlü Problemler, Birsen Yayınevi, 1999. Mehmet H. Omurtag, Statik ve Mukavemet, Nobel Akademik Yayıncılık, 2010.