

YTU Architecture Program

STATICS & STRENGTH OF MATERIALS

2019-2020 Spring

Week	Date	Content
		STATICS
1	Feb. 3	Introduction
2	Feb. 10	Force and Moment, Loads
3	Feb. 17	Structural members, support types and support reactions
4	Feb. 24	Internal forces and moments
5	Mar. 2	T, M, N diagrams
6	Mar. 9	T, M, N diagrams (<i>cont.</i>), Truss system
7	Mar. 16	Truss systems (<i>cont.</i>)
8	Mar. 23	Midterm Exam
		STRENGTH OF MATERIALS
9	Mar. 30	Centroid of area, moment of inertia
10	Apr. 6	Profiles, Moment of inertia (<i>cont.</i>)
11	Apr. 13	Stress-strain variations, Ductility, Normal force (tension)
12	Apr. 20	Normal force (compression) and Stability
13	Apr. 27	Stress controls due to moment and shear force
14	May 4	Torsional moment, deflection, general effects, stresses