

Date	Chapters	Mechanics of Materials (Gere and Timoshenko)	Sections	Examples
2019-08-19		0 Review of Centroids and Moments of Inertia	9	8
2019-08-20		1 Tension, Compression and Shear	8	8
2019-08-21		2 Axially Loaded Members	12	21
2019-08-22		3 Torsion	12	14
2019-08-23		4 Shear Forces and Bending Moments	5	7
2019-08-24		5 Stresses in Beams (Basic Topics)	13	15
2019-08-25		6 Stresses in Beams (Advanced Topics)	10	11
2019-08-26		7 Analysis of Stress and Strain	7	8
2019-08-27		8 Applications of Plane Stress (Beams and Combined Loadings)	5	7
2019-08-28		9 Deflections of Beams	11	18
2019-08-29		11 Statically Indeterminate Beams	7	7
2019-08-30		12 Columns	9	8
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	Chapters	Structural Analysis (Hibbeler)	Sections	Examples
2019-08-31		1 Types of Structures and Loads	4	4
2019-09-01		2 Analysis of Statically Determinate Structures	6	13
2019-09-02		3 Analysis of Statically Determinate Trusses	8	13
2019-09-03		4 Internal Loadings Developed in Structural Members	5	16
2019-09-04		5 Cables and Arches	5	6
2019-09-05		6 Influence Lines for Statically Determinate Structures	7	22
2019-09-06		7 Approximate Analysis of Statically Indeterminate Structures	6	8
2019-09-07		8 Deflections	5	16
2019-09-08		9 Deflections Using Energy Methods	9	17
2019-09-09		10 Analysis of Statically Indeterminate Structures by the Force Method	11	12
2019-09-10		11 Displacement Method of Analysis: Slope-Deflection Equations	5	10
2019-09-11		12 Displacement Method of Analysis: Moment Distribution	12	8
2019-09-12		13 Beams and Frames Having Nonprismatic Members	3	1
2019-09-13		14 Truss Analysis Using the Stiffness Method	9	8
2019-09-14		15 Beam Analysis Using the Stiffness Method	4	5
2019-09-15		16 Plane Frame Analysis Using the Stiffness Method	4	2
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	Chapters	Limit States Design in Structural Steel (Kulak and Grondin)	Sections	Examples
2019-09-16		1 Introduction	10	0
2019-09-17		2 Structural Steel	7	0
2019-09-18		3 Tension Members	8	4
2019-09-19		4 Compression Members	12	9
2019-09-20		5 Beams	15	9
2019-09-21		6 Composite Design	11	5
2019-09-22		7 Plate Girders	8	8
2019-09-23		8 Beam-Columns	6	10
2019-09-24		9 Connections	12	8
2019-09-25		10 Building Design	9	0
2019-09-26		11 Fatigue	7	5
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	Chapters	Reinforced Concrete Design (Brzev and Pao)	Sections	Examples
2019-09-27		1 Concrete Basics	10	3
2019-09-28		2 Materials	6	1
2019-09-29		3 Flexure: Behaviour of Beams and One-Way Slabs	8	9
2019-09-30		4 Serviceability	8	7
2019-10-01		5 Flexure: Design of Beams and One-Way Slabs	9	8
2019-10-02		6 Shear Design of Beams and One-Way Slabs	10	7
2019-10-03		7 Torsion	9	1
2019-10-04		8 Columns	13	8
2019-10-05		9 Bond and Anchorage of Reinforcement	9	6
2019-10-06		10 Behaviour and Analysis of Continuous Beams and Slabs	9	5
2019-10-07		11 Design of Continuous Beams, Slabs and Floor Systems	5	3
2019-10-08		12 Design of Two-Way Slab	11	14
2019-10-09		13 Walls	8	3
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		Structural Modeling and Computer Analysis		