

ARCHITECTURAL STRUCTURES II (3)

Lecture and Assignment Schedule

DATE	TOPIC	Text Reading	PROBLEMS (due dates online)
JAN 7	Course Intro	Onouye, Schodek	
JAN 9	1 - Wood Properties	NDS	
JAN 12	2 - Wood Beam Analysis	Schodek 6.4.2	
JAN 14	3 - Wood Beam Design	Onouye 8	
JAN 16	Recitation [1-Wood Beams]	Topic Quiz 1	1. Wood Beam Analysis
JAN 19	Martin Luther King Day **** No Class ****	Martin Luther King Day **** No Class	
JAN 21	4 - Wood Column Analysis	Onouye 9.1-9.2 & 9.4, Schodek 7.4.3	
JAN 23	Recitation	Topic Quiz 2	2. Wood Beam Design
JAN 26	5 - Wood Column Design	NDS Tower Intro	
JAN 28	6 - Cross Laminated Timbers	CLT Handbook	
JAN 30	Recitation [2-Wood Columns]	Topic Quiz 3	3. Wood Column Analysis
FEB 2	7 - Steel Properties	AISC, Onouye 8.7	
FEB 4	8 - Steel Beam Analysis	Schodek 6.4.3	
FEB 6	Recitation – Tower Project	Topic Quiz 4	4 Steel Beam Analysis
FEB 9	9 - Steel Beam Design	Schodek 6.4.3	
FEB 11	10 - Steel Column Analysis	Onouye 9.3, Schodek 7.4.4	
FEB 13	Recitation [3-Steel Beams]	Prelim. Tower Report Due	
		Topic Quiz 5	5. Steel Beam Design
FEB 16	11 - Steel Column Design	Onouye 9.3, Schodek 7.4.4	
FEB 18	12 - Continuous Beams	I. Engel Ch. 17, Schodek 8	
FEB 20	Recitation [4-Steel Columns]	Topic Quiz 6	6. Steel Column Analysis
FEB 23	13 – 3-Moment Theorem		
FEB 25	“Tower without Ends” Tony Fitzpatrick video		
FEB 27	Recitation [5-Continuous Beams]	Topic Quiz 7	
MAR 2	WINTER RECESS **** NO CLASS ****	WINTER RECESS **** NO CLASS ****	
MAR 4	WINTER RECESS **** NO CLASS ****	WINTER RECESS **** NO CLASS ****	
MAR 6	WINTER RECESS **** NO CLASS ****	WINTER RECESS **** NO CLASS ****	
MAR 9	14 - Gerber Beams	Schodek 8.4.4	
MAR 11	15 - Intro to Concrete – PCA video		
MAR 13	Recitation [6-Flexural Strain]	Topic Quiz 8	7. Three Moment Theorem
MAR 16	16 - Concrete Beam Analysis	Schodek 6.4.4 – 6.4.6	
MAR 18	17 - Concrete Beam Design	I. Engel Ch.15	
MAR 20	Recitation [7-Concrete Reinforcing]	Topic Quiz 9	8. Concrete Beam Analysis
MAR 23	Tower Testing **** Tower Testing ****	Tower Testing **** Tower Testing ****	
MAR 25	18 - T-Beams	Schodek 7.4.5	
MAR 27	Recitation	Topic Quiz 10	9. Concrete Beam Design
MAR 30	19 - Concrete Columns		
APR 1	20 - Pre-Stressing		
APR 3	Recitation [8 – Pre-Stressing]	Topic Quiz 11	10. Pre-Stress
APR 6	21 - Composite Sections		
APR 8			
APR 10	Recitation [9-Composite Sections]	Topic Quiz 12	11. Composite Sections
APR 13	22 - Masonry Intro.	TMS 402	
APR 15	23 - Masonry Walls	TMS 402	
APR 17	Recitation [10-Lateral Stability]	Final Tower Report Due Sunday	
		Topic Quiz 13	12. Masonry Walls (due Tues.)
APR 20	24 - Masonry Vaults & Shells		