

ARCHITECTURAL STRUCTURES II (3)

Lecture and Assignment Schedule

DATE	TOPIC	Text Reading	PROBLEMS (due dates online)
JAN 8	Course Intro	Onouye, Schodek	
JAN 13	1 - Wood Properties	NDS	
JAN 15	2 - Wood Beam Analysis	Schodek 6.4.2	
JAN 17	Recitation [1-Wood Beams]		
		Topic Quiz 1	1. Wood Beam Analysis
JAN 20	Martin Luther King Day **** No Class ****	Martin Luther King Day **** No Class	
JAN 22	3 - Wood Beam Design	Onouye 8	
JAN 24	Recitation		
		Topic Quiz 2	
JAN 27	4 - Wood Column Analysis	Onouye 9.1-9.2 & 9.4, Schodek 7.4.3	
JAN 29	5 - Wood Column Design	NDS	Tower Intro
JAN 31	Recitation [2-Wood Columns]		
		Topic Quiz 3	2. Wood Column Analysis
FEB 3	6 - Cross Laminated Timbers	CLT Handbook	
FEB 5	7 - Steel Properties	AISC, Onouye 8.7	
FEB 7	Recitation – Tower Project		
		Topic Quiz 4	
FEB 10	8 - Steel Beam Analysis	Schodek 6.4.3	
FEB 12	9 - Steel Beam Analysis	Schodek 6.4.3	
FEB 14	Recitation [3-Steel Beams]		Prelim. Tower Report Due 3 Steel Beam Analysis
		Topic Quiz 5	
FEB 17	10 - Steel Beam Design	Schodek 6.4.3	
FEB 19	11 - Steel Column Analysis	Onouye 9.3, Schodek 7.4.4	
FEB 21	Recitation [4-Steel Columns]		
		Topic Quiz 6	4. Steel Beam Design
FEB 24	12 - Steel Column Design	Onouye 9.3, Schodek 7.4.4	
FEB 26	“Skyscrapers” David Macaulay video		
FEB 28	Recitation		
			5. Steel Column Analysis
MAR 3	WINTER RECESS **** NO CLASS ****	WINTER RECESS **** NO CLASS ****	
MAR 5	WINTER RECESS **** NO CLASS ****	WINTER RECESS **** NO CLASS ****	
MAR 7	WINTER RECESS **** NO CLASS ****	WINTER RECESS **** NO CLASS ****	
MAR 10	13 - Continuous Beams	I. Engel Ch. 17, Schodek 8	
MAR 12	14 - Gerber Beams	Schodek 8.4.4	
MAR 14	Recitation [5-Continuous Beams]		
		Topic Quiz 7	6. Three Moment Theorem
MAR 17	15 - Intro to Concrete – PCA video.		
MAR 19	16 - Concrete Beams	Schodek 6.4.4 – 6.4.6	
MAR 21	Recitation [6-Stress vs Strain]		
		Topic Quiz 8	
MAR 24	Tower Testing **** Tower Testing ****	Tower Testing **** Tower Testing ****	
MAR 26	17 - Concrete Beams	I. Engel Ch.15	
MAR 28	Recitation		
		Topic Quiz 9	7. Concrete Beam Analysis
MAR 31	18 - Concrete Beam Design		
APR 2	19 - Concrete Columns	Schodek 7.4.5	
APR 4	Recitation [7-Concrete Reinforcing]		
		Topic Quiz 10	8. Concrete Beam Design
APR 7	20 - Composite Sections		
APR 9	21 - Composite Sections		
APR 11	Recitation [8-Composite Sections]		
		Topic Quiz 11	9. Composite Sections
APR 14	22 - Masonry Intro.	TMS 402	
APR 16	23 - Masonry Walls	TMS 402	
APR 18	Recitation [9-Lateral Stability]		Final Tower Report Due 10. Masonry Walls
		Topic Quiz 12	
APR 21	24 - Masonry Walls	TMS 402	