

ARCH2331 - Building Technology 2

Spring 2020 semester

Week	Day	Class date	Readings	Schedule (2020S)	Assignments
Week 1	1	Monday, 01, 27, 2020	Ching, Building Construction Illustrated, Chapter 1, pp. 1.02-1.06, Chapter 2, pp. 2.02-2.30, Chapter 12, pp. 12.02-12.05, 12.08-12.09	01 Introduction - Collect names and pictures of students, assign logo for titleblock	Introduce Module A (existing building documentation and grid) Introduce Assignment A1 (site, plan and grid)
	1	Tuesday, 01, 28, 2020			
	2	Thursday, 01, 30, 2020			
Week 2	3	Monday, 02, 3, 2020		03 Print - Introduction to lineweights, ctb files and layouts in CAD	A01 Site Maps ->due Introduce Assignment A2 (Plans and Elevations)
	3	Tuesday, 02, 4, 2020			
	4	Thursday, 02, 6, 2020			
Week 3	5	Monday, 02, 10, 2020	Allen and Iano, Concrete Construction Chapter 13, pp. 515-551	05 Concrete, Mix -Desk crits elevations & sections	A02 Plans and Elevations -->due
	5	Tuesday, 02, 11, 2020			
	6	Thursday, 02, 13, 2020			
Week 4		Monday, 02, 17, 2020	No school		Sketchbook check complete / incomplete Assignment A2 due Introduce Assignment A3 (final module A, plan, structural plans, 3d model)
			Allen and Iano, Sitecast Concrete Framing Systems Chapter 14, pp. 565-599		
	7	Tuesday, 02, 18, 2020	Ching, Building Construction Illustrated, Chapter 1, pp. 1.32 Chapter 3, pp. 3.16 Chapter 6, pp. 6.04	07 Concrete (cast in place) - Desk crits, open questions	
Week 5	8	Thursday, 02, 20, 2020		08 Pin-up	
	7	Monday, 02, 24, 2020		[see Tuesday, 02, 18]	
			Allen and Iano, Foundations Chapter 2, pp. 29-38, pp. 56-71		
Week 6	9	Tuesday, 02, 25, 2020	Ching, Building Construction Illustrated, Chapter 3, pp. 3.02-3.26	09 Foundations - Desk crits, open questions 10 DURA (Solar Decathlon project) - Desk crits, open questions [Module A complete] - sketchbook review including readings and desk crits	A04 Final Module A ->due Sketchbook Grated 1 Of 4 Assigned: B01 Reference material
	10	Thursday, 02, 27, 2020	Assignment A4 due		
	9	Monday, 03, 2, 2020		[see Tuesday, 02, 20]	
Week 7			Readings: Chapter 3, Pages 84 - 127, Fundamentals of Building Construction / Materials & Methods By Edward Allen & John Wiley (5th Edition)	11 Wood - Desk crits, open questions	B01 Reference material -> due Introduce B02 In class basement and ground floor plans
	11	Tuesday, 03, 3, 2020			B02a In class --> due basement and ground floor plans Introduce B02 all plans Introduce B03 elevations
	12	Thursday, 03, 5, 2020		12 Foundation Calculations	
Week 8	11	Monday, 03, 9, 2020		[see Tuesday, 03, 03]	
			Readings: Chapters 5 and 6 Pages 161 - 253, Fundamentals of Building Construction / Materials & Methods By Edward Allen & John Wiley (5th Edition)	13 Framing types - Desk crits, open questions	B02 all plans --> due Sketchbook Grated 2 Of 4 --> due
	13	Tuesday, 03, 10, 2020		14 Joists - Desk crits, open questions	B03 elevations --> due Introduce B04 Joist Plans
Week 9	13	Monday, 03, 16, 2020		[see Tuesday, 03, 10]	B04 Joist Plans Pin up
	15	Tuesday, 03, 17, 2020		15 Drawings standards - Desk crits, open questions	
	16	Thursday, 03, 19, 2020		16 Studs layout - Desk crits, open questions	B04 Joist Plans --> due Introduce B05 Stud Plans
Week 10	15	Monday, 03, 23, 2020		17 3D Framing	B05 Stud Plans Pin up
	17	Tuesday, 03, 24, 2020		17 3D Framing	Introduce B06 3D Framing
	18	Thursday, 03, 26, 2020	Midterm grades [Site visit?]	18 Wall sections Part1 - Desk crits, open questions	B05 Stud Plans --> due Introduce B07 Wall sections
Week 11	19	Monday, 03, 30, 2020		19 Wall sections Part2 - Desk crits, open questions	B06 3D Framing Pin up
	19	Tuesday, 03, 31, 2020			
	20	Thursday, 04, 2, 2020		20 Roof -Well section pin up	B06 3D Framing --> due
Week 12	17	Monday, 04, 6, 2020		[see Tuesday, 03, 17]	
		Tuesday, 04, 7, 2020	Spring recess		
		Thursday, 04, 9, 2020	Spring recess		
Week 13		Monday, 04, 13, 2020	Spring recess		
		Tuesday, 04, 14, 2020	Spring recess		
		Thursday, 04, 16, 2020	Spring recess		
Week 14	21	Monday, 04, 20, 2020		21 Stairs	B07 Wall sections --> due Heavily weighted grade Introduce B07 Wall sections
	21	Tuesday, 04, 21, 2020			
	22	Thursday, 04, 23, 2020		22 Building Envelope	Skillbook Grated 3 Of 4 --> due
Week 15	23	Monday, 04, 27, 2020		23 Redlining	Module B pinup (all B assignments) Introduce B08 final (all documents)
	23	Tuesday, 04, 28, 2020			
	24	Thursday, 04, 30, 2020	[Site visit confirmed]	24 Fieldtrip 475	
Week 16				25 Drawing layout & SIPs panels - Project development - Common improvements - B Final Pin Up	
	25	Monday, 05, 4, 2020			
	25	Tuesday, 05, 5, 2020		26 Mechanical	Introduce Assignment C
Week 17				Module C - 27 Heavy timber sizing - Desk crits, open questions	B08 final (all documents) --> due
	27	Monday, 05, 11, 2020			
	27	Tuesday, 05, 12, 2020		28 Heavy timber details - Desk crits, open questions	Skillbook Grated 4 Of 4 --> due
Week 18	28	Thursday, 05, 14, 2020		29 High-tech wood construction - Desk crits, open questions	
	29	Monday, 05, 18, 2020			
	29	Tuesday, 05, 19, 2020		- Final Examination	
Week 19	30	Thursday, 05, 21, 2020		- C Final Pin Up	Assignment C --> due
		Friday, 05, 22, 2020	Last day of semester		