

SCHEDULE

WK	DATE	TOPIC	READING
01	SEP	01 M LABOR DAY HOLIDAY – No Classes	
		Introduction / Review of Syllabus and Guidelines	
		03 W LEC 1 - ECS & Influence on Building Form and Sustainability Homework 1: Climactic Design	<i>Heating, Cooling, Lighting: Chap. 1</i>
02		08 M LEC 2 - Thermal Environment 1 - (Heat Transfer / Human Body) Homework 2: Passive Systems Search	<i>Heating, Cooling, Lighting: Chap. 3</i>
		10 W LEC 3 - Thermal Environment 2 - (Building Enclosure) DUE: Homework 1	<i>Heating, Cooling, Lighting: Chap. 15</i>
03		15 M LEC 3 - Thermal Environment 2 - (Building Enclosure), Cont'd DUE: Homework 2	<i>Heating, Cooling, Lighting: Chap 9.20-9.23 (pgs. 249-256)</i>
		17 W LEC 4 - Thermal Environment 3 – (Air Temperature & Humidity) Homework 3: Psychrometry Problems (in class)	<i>Heating, Cooling, Lighting: Chap. 2</i>
04		22 M LEC 5 - Air & Humidity – (Heating)	<i>Heating, Cooling, Lighting: Chap. 2</i>
		24 W LEC 6 – Air & Humidity – (Cooling) DUE: Homework 3 Homework 4: Roman Hypocaust Diagram VIDEO – Nova: Roman Baths	<i>Heating, Cooling, Lighting: Chap. 10</i>
05		29 M Exam #1 Review - 20 Questions DUE: Homework 4	
	OCT	01 W Exam #1	Recommended for Review: <i>How Buildings Work, Chap. 10, 11</i>
06		06 M LEC 7– Ventilation and Air Quality	<i>Heating, Cooling, Lighting: Chap. 15</i>
		08 W LEC 8– HVAC 1: Hydronic Systems Homework 5: Hydronic System Diagrams	<i>Heating, Cooling, Lighting: Chap. 16</i>
07		13 M LEC 9 – HVAC 2: Air Systems DUE: Homework 5	<i>Heating, Cooling, Lighting: Chap. 16, cont</i>
		15 W LEC 9 – HVAC 2: Air Systems (Cont'd)	<i>Heating, Cooling, Lighting: Chap. 16, cont.</i>
08		20 M LEC 10 – NJIT Campus Mechanical tour Exam #2 Review - 20 Questions ASSIGN: Design/Analysis Project	
		22 W Exam #2	
09		27 M LEC 11 – Plumbing: Water Supply	<i>Plumbing, Electricity, Acoustics: Chapt. 3</i> Pgs 62-103
		29 W LEC 12 – Plumbing: Waste Systems	<i>Plumbing, Electricity, Acoustics: Chapt. 4</i> Pgs 105-155
10	NOV	03 M LEC 13 – Bathrooms Homework 6: Fixture Requirements.	<i>Building Systems for Interior Designers</i> Chaps. 8: Pgs. 117-136
		05 W LEC 14 – Kitchens	
11		10 M LEC 15 – Vertical Transportation Systems	

	12	W	LEC 15 – Vertical Transportation Systems. Cont'd	<i>Plumbing, Electricity, Acoustics: Chapt. 7</i> Pgs 253-284
12	17	M	LEC 16 – Life Safety 1: Emergency Egress DUE: Homework 6	
	19	W	LEC 16 – Life Safety 2: Fire Protection, Firefighting, & Fire Suppression Systems DUE: Design/Analysis Project	<i>Codes Guidebook, Chaps. 4-6</i>
				Pgs 213-251
13	24	M	Video: NOVA – Elevators; Trapped Man	
	26	W	No Class. Thursday Classes Meet	<i>Plumbing, Electricity, Acoustics: Chapt. 6</i> Pgs 213-251
	27	TH	No Class Thanksgiving Holiday	
14	DEC 01	M	LEC 16 – Cont'd Exam #3 Review	
	03	W	Exam #3	
15	08	M	LAST CLASS Exiting Interviews	
	10	W	LAST DAY OF CLASSES	

READINGS SUMMARY

Required

EXAM 1

Heating, Cooling, Lighting
Chapters: 1, 2, 3, 9.20-9.23, 10, 15

EXAM 2

Heating, Cooling, Lighting
Chapter: 16

Plumbing, Electricity, Acoustics
Chapters: 3, 4

EXAM 3

Plumbing, Electricity, Acoustics
Chapters: 7, 6.

The Codes Guidebook for Interiors
Chapters: 4, 5, 6.

Building Systems for Interior Designers
Chapter: 8.