

announcements 4/10/08

course website:
<http://courses.washington.edu/arch3431/index.shtml>

Course materials (readings, assignments, lectures, references and website links) are now posted and will be updated after every lecture.

A2: Climate Analysis and References

The second assignment, along with several useful references, is now available on the course website.

Climate Analysis

II. Analysis and Graphic Articulation

1. Temperature:
2-hour temperature map

2. Temperature + Rel. Humidity:
Psychrometric Chart

3. Wind Direction & Velocity:
Wind rose

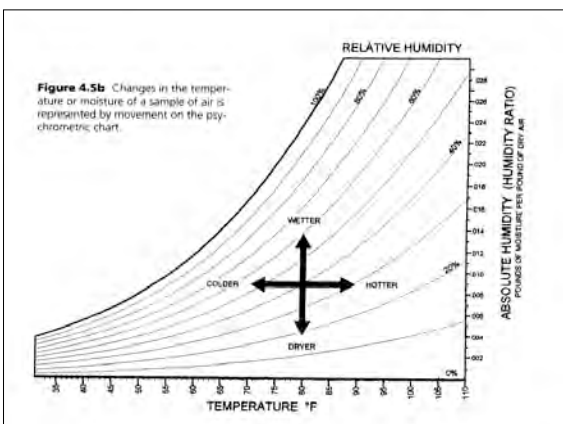
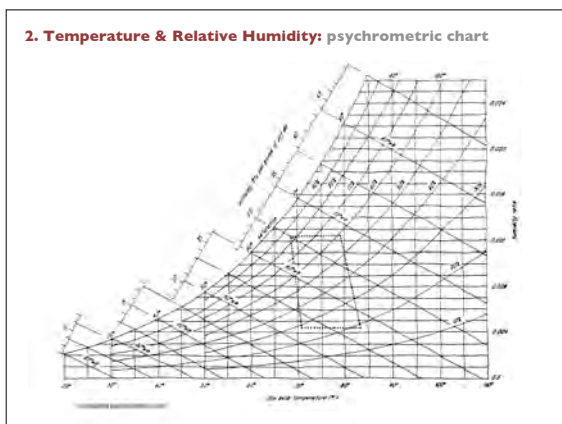
4. Sun & Shade:
Sky Cover Chart

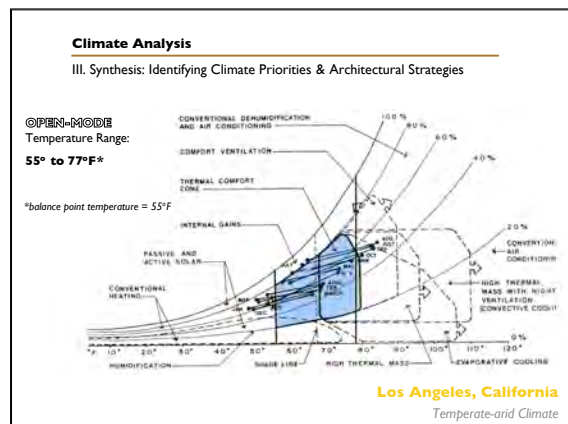
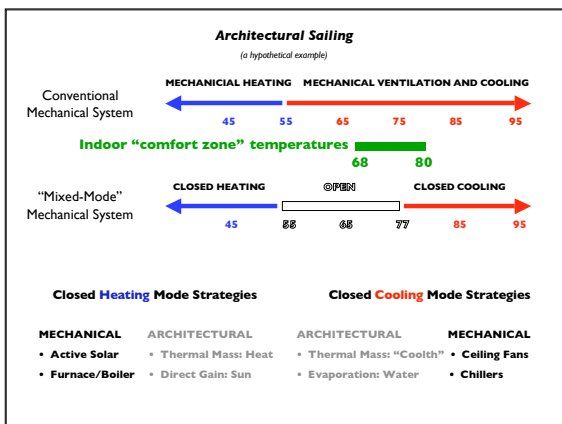
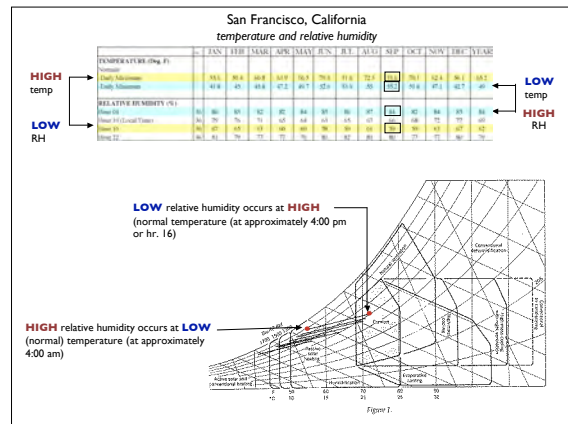
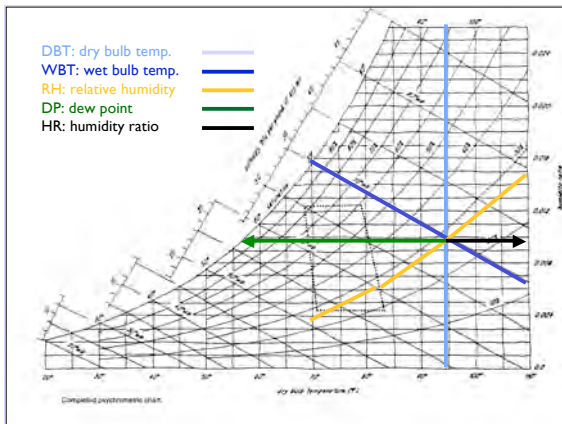
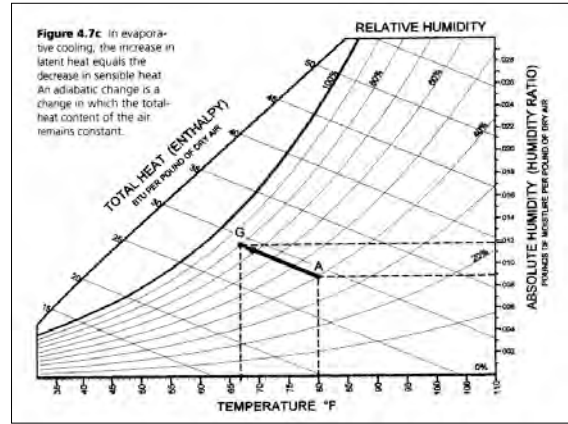
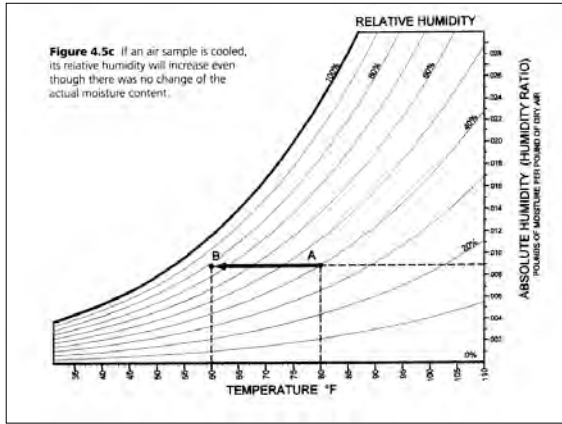
Temperature and Relative Humidity: Psychrometrics

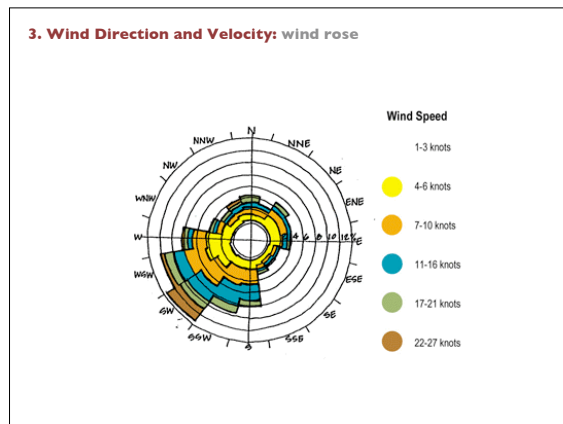
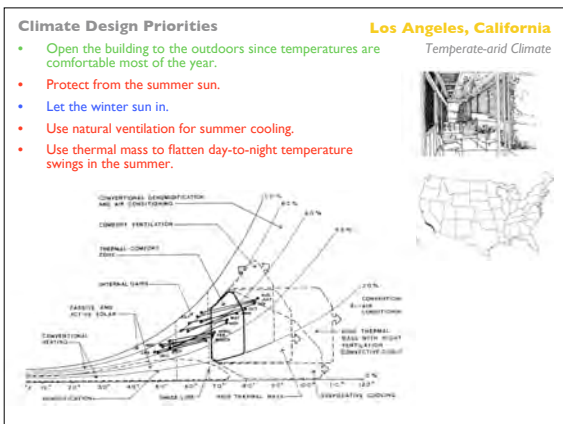
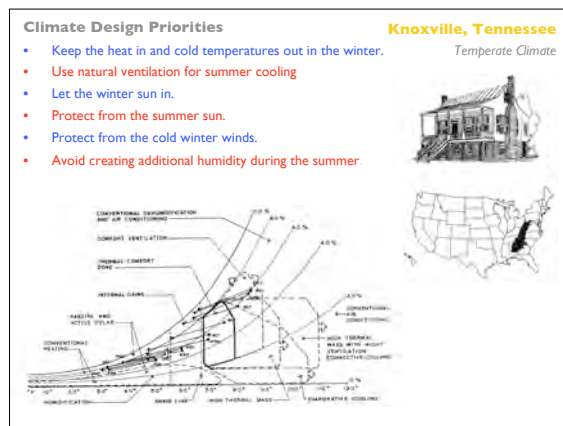
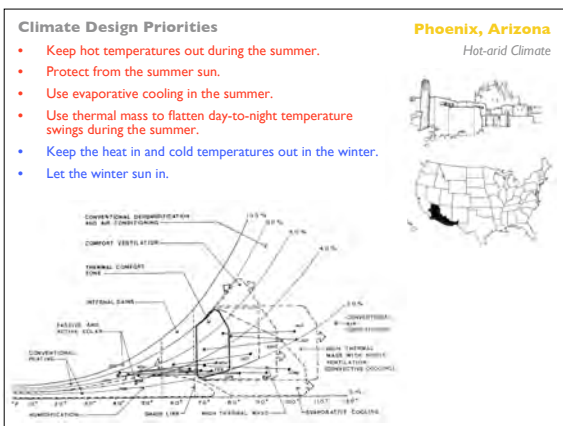
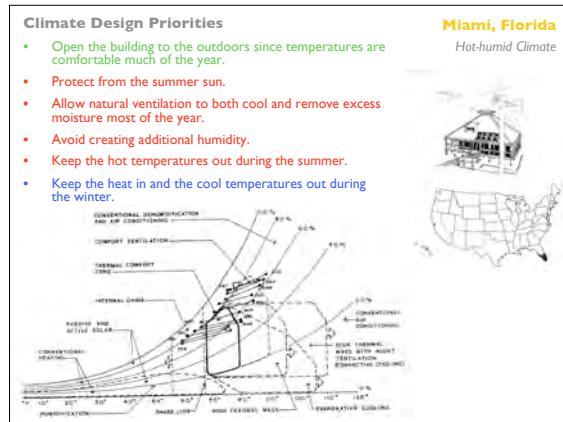
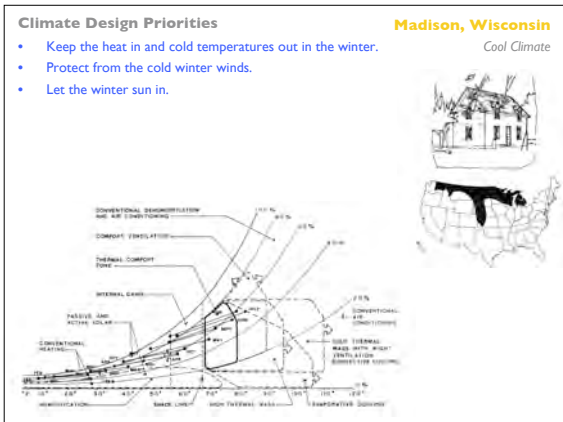
Temperature
Dry Bulb
Wet Bulb

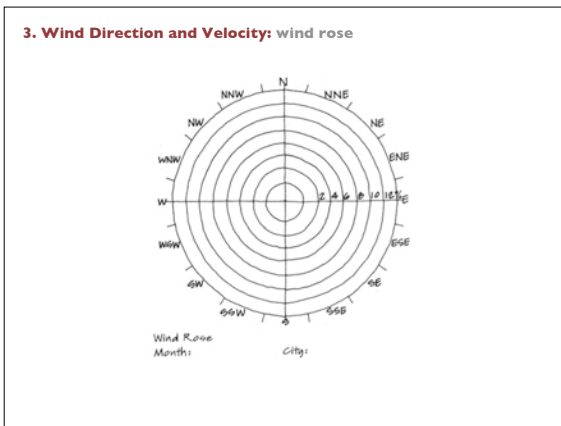
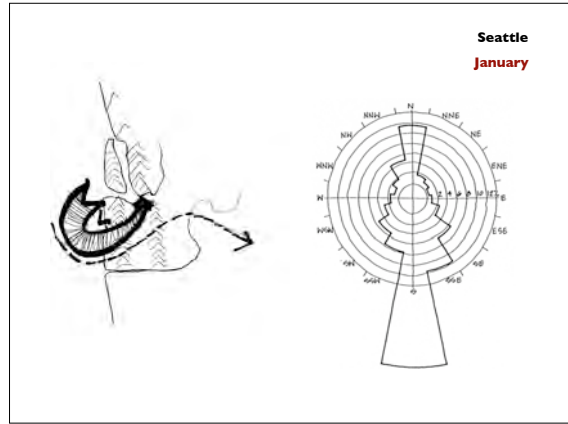
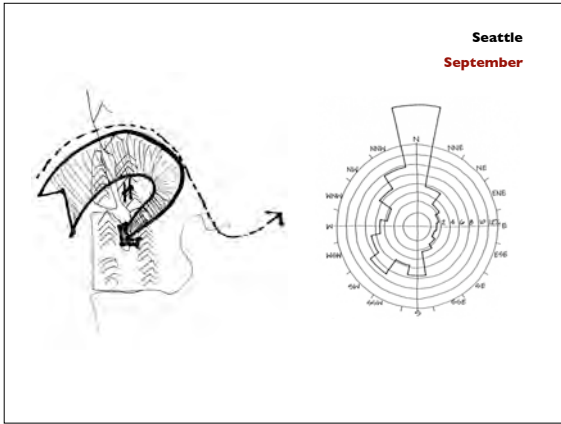
Relative Humidity
Dry to Saturated Air

Absolute Humidity
pounds of moisture per pounds of air









3. Wind Direction and Velocity: wind rose

DIR.	SPEED (KNOTS)										TOTAL PERCENT	MEAN WIND SPEED	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			>=56
N	.8	2.8	3.3	1.2	.2	*	*	*	0	0	0	7.9	7.4
NNE	.4	1.2	1.0	.3	*	*	0	0	0	0	0	3.0	6.9
NE	.4	.9	.4	.1	*	*	0	0	0	0	0	1.8	5.9
ENE	.3	.5	.1	*	*	*	0	0	0	0	0	1.0	5.3
E	.4	.7	.3	.1	*	*	0	0	0	0	0	1.5	5.1
ESE	.5	1.4	1.7	.4	*	*	0	0	0	0	0	4.0	6.8
SE	.8	4.1	7.4	1.7	.1	*	*	0	0	0	0	14.6	7.7
SSE	.8	5.1	8.1	3.4	.9	.2	*	*	0	0	0	18.8	8.8
S	1.0	4.1	4.0	3.4	1.6	.5	.1	*	0	0	0	14.1	9.8
SSW	.5	1.3	.7	.5	.2	.1	*	*	0	0	0	3.4	8.1
SW	.5	1.1	.4	.1	*	*	*	0	0	0	0	2.2	6.2
WSW	.4	.9	.3	.1	*	*	*	0	0	0	0	1.8	6.0
W	.6	1.4	.8	.4	.1	*	*	0	0	0	0	3.2	6.3
WNW	.6	1.6	1.4	.7	.1	*	*	0	0	0	0	4.5	7.6
NW	.6	1.9	2.7	1.1	.2	*	*	0	0	0	0	6.7	8.3
NNW	.5	2.2	3.3	1.6	.2	.1	*	0	0	0	0	8.1	8.5
VAR.	0	0	0	0	0	0	0	0	0	0	0	0	0
CLM	0	0	0	0	0	0	0	0	0	0	0	3.7	0
ALL	9.2	31.2	35.8	15.2	3.7	1.0	.2	*	*	0	0	100	7.8

