

MSCI 301 Class Schedule - Spring 2006

Class	Date	Topic	Readings	
			Knauss	Ocean Circulation Waves, Tides...
1	11-Jan	Introduction		
2	13-Jan	Temperature and Salinity	1-7	
	16-Jan	MLK Day		
3	18-Jan	Pressure and Density	18-30	
4	20-Jan	Density and Stability	30-38, 55-58	
5	23-Jan	Waves I		12-37
6	25-Jan	Waves II		38-49
7	27-Jan	Waves III		
8	30-Jan	Equilibrium Theory of Tides I		50-65
9	1-Feb	Equilibrium Theory of Tides II / Dynamic Theory of Tides		66-86
10	3-Feb	Dynamic Theory of Tides		
11	6-Feb	Global Heat Fluxes I	39-48	14-29
12	8-Feb	Catch-up / Review		
13	10-Feb	Exam 1		
14	13-Feb	Global Heat Fluxes II	59-61	190-202
15	15-Feb	Global Heat Fluxes III		
	17-Feb	Celebration of Inquiry		
16	20-Feb	Global Heat Fluxes IV		
		Thermohaline Circulation, Deepwater Circulation		207-234, 240-242
17	22-Feb			
18	24-Feb	T-S Diagrams		
				137-139, 170-176
19	27-Feb	ENSO and NAO		
20	1-Mar	Global Climate Change		
21	3-Mar	Hurricanes		29-36
22	6-Mar	Remote Sensing		
23	8-Mar	Catch-up / Review		
24	10-Mar	Exam 2		
	Mar 13-17	Spring Break		
			66-73, 80-83	101-102
25	20-Mar	Continuity		
		Equations of Motion, Coriolis Effect, Rossby Number	87-90, 108-109	11-13, 44- 46, 98-101
26	22-Mar			
		Pressure Gradient, Geostrophic Balance	84-86 110-117	46-63
27	24-Mar			
				39-44, 64, 95-99, 90-92, 133-
28	27-Mar	Wind Stress, Basin Circulation	122-130	137
			105-106, 131-133	85-98
29	29-Mar	Vorticity I		
30	31-Mar	Vorticity II		
				107-117, 122-133
31	3-Apr	Gulf Stream		

32	5-Apr	Catch-up / Review		
33	7-Apr	Exam 3		
34	10-Apr	Equatorial and Polar Circulation	143-161	
35	12-Apr	The Conveyor Belt	176-186	
	14-Apr	Easter		
36	17-Apr	Rossby and Kelvin Waves	162-169	
37	19-Apr	Estuaries	202-206	149-176
38	21-Apr	Estuaries II		
39	24-Apr	Continental Shelf Processes I	256-260	191-202
40	26-Apr	Continental Shelf Processes II		
41	28-Apr	Catch-up / Review		
	1-May	Final Exam - 11:00 AM		