

COURSE OUTLINE

NATS 101 – Section 14 Introduction to Weather and Climate
Lecture schedule is approximate; exams and deadline dates are fixed

FALL 2010

Week	Topic	Tuesday Reading	Review Exercises	Thursday Reading	Review Exercises
1: 8/24-26	Structure of the atmosphere	2-17	1.4, 1.7, 1.8, 1.14	18-27	1.9, 1.10, 1.21, 1.23
2: 8/31-9/2	Solar radiation, seasons and Energy Balance	32-41, 44-53	2.2, 2.8, 2.10, 2.14	58-72	3.4, 3.5, 3.8, 3.11, 3.13
3: 9/7-9	Energy Balance Pressure and Wind	72-85	3.16, 3.17, 3.19, 3.20	101-116	4.2, 4.4, 4.6, 4.10, 4.11
4: 9/14-16	Pressure and Wind/ Midterm I	117-128	, 4.12, 4.14, 4.16, 4.17	Midterm I	
5: 9/21-23	Atmospheric Moisture	133-149	5.4, 5.5, 5.8, 5.10	152-164	5.13, 5.16, 5.17, 5.20
6: 9/28-30	Clouds	168-182	6.1, 6.3, 6.5, 6.6	182-196	6.10, 6.12, 6.15, 6.16
7: 10/5-7	Precipitation Processes	200-207	7.1, 7.3, 7.7, 7.8,	207-221	7.13, 7.14
8: 10/12-14	Optical Effects/ Midterm II	539-547	17.1,	Midterm II	
9: 10/19-21	Atmospheric Circulation	226-246	8.1, 8.4, 8.6, 8.9	246-268	8.12, 8.14, 8.16, 8.20
10: 10/26-28	Air Masses/Fronts	272-281	9.3, 9.5, 9.6	282-293	9.7, 9.8, 9.10, 9.12
11: 11/2-4	Midlatitude Cyclones	298-309	10.1, 10.3, 10.6, 10.8	310-323	10.12, 10.14, 10.17
12: 11/9-11	Midterm III	Midterm III		Veterans Day	
13: 11/16-18	Lightning/T-storms/tornados	327-346	11.1, 11.4, 11.5, 11.8	347-366	11.13, 11.16, 11.19, 11.21
14: 11/23-25	Tropical Cyclones	370-379, 383, 386-391	12.1, 12.4, 12.7, 12.10, 12.13	Thanks-giving	
15: 11/30-12/2	Climates	474-493	15.1, 15.3, 15.7, 15.15	496-513	16.1, 16.2, 16.7, 16.10
16: 12/7	Midterm IV	Midterm IV		Reading Day	