

AT 737 - Satellite Observations of the Atmosphere and Earth

Spring Semester 2015

Professor Tom Vonder Haar and Dr. Stan Kidder

Monday and Wednesday, 11:00 to 12:15
Room 212B, ACRC

Text: *Satellite Meteorology: An Introduction*
by S.Q. Kidder and T.H. Vonder Haar

Tentative Class Schedule

DATE	DAY	TOPIC	CHAPTER*
21-Jan	WED	Welcome / Introduction / Scope -- Vonder Haar	1
26-Jan	MON	History / Future -- Vonder Haar	1, 11
28-Jan	WED	Satellite Orbits 1 -- Kidder	2
02-Feb	MON	Satellite Orbits 2 -- Kidder	2
04-Feb	WED	Radiative Transfer 1 -- Kidder	3
09-Feb	MON	Radiative Transfer 2 -- Vonder Haar	3
11-Feb	WED	Class Project Discussion -- All	
16-Feb	MON	Satellite Instruments -- Kidder	4
18-Feb	WED	CIRA Earthstation -- Hiatt	4
23-Feb	MON	Satellite Remote Sensing Algorithms -- Vonder Haar	1 - 5
25-Feb	WED	Tales from the Dark Side: A Historical Perspective on Past, Present and Future Low Light Visible Imaging Capabilities -- Steve Miller	5
02-Mar	MON	Image Interpretation 1 -- Kidder & Hillger (JPSS)	5
04-Mar	WED	Image Interpretation 2 -- Vonder Haar & Lindsey (GOES-R)	5
09-Mar	MON	Temperature Sounding -- Vonder Haar	6
11-Mar	WED	Moisture and Trace Gases -- Kidder	6
16-Mar	MON	NO CLASS, Spring Break	
18-Mar	WED	NO CLASS, Spring Break	
23-Mar	MON	CO ₂ -- Chris O'Dell	6
25-Mar	WED	Winds -- Kidder	7
30-Mar	MON	Clouds 1 -- Vonder Haar	8
01-Apr	WED	Clouds / CloudSat -- Vonder Haar	8
06-Apr	MON	GPS Met -- Vonder Haar	6
08-Apr	WED	Earth Radiation Budget -- Vonder Haar	10
13-Apr	MON	Precipitation 1 -- Kidder	9
15-Apr	WED	Precipitation 2 -- Chris Kummerow	9
20-Apr	MON	Ball Trip	4
22-Apr	WED	Discussion of Ball Trip	4
27-Apr	MON	Tropical Cyclone Applications -- John Knaff?	
29-Apr	WED	Cheyenne WFO Trip	
04-May	MON	Future U.S. Satellites	11
06-May	WED	Future International Satellites	
11-May?	MON	Poster Session 11:00 - 1:00	

*Reading assignments are from Kidder and Vonder Haar