Name:	Date:	

Ph.D. Course Plan (04/04/2025) Atmospheric Sciences Graduate Group

A. Prerequisites:

Course Number	Course Title	Units	Completion Status (indicate if completed at another institution, at UC Davis or not yet)
MAT 21A	Calculus	4	
MAT 21B	Calculus	4	
MAT 21C	Calculus	4	
MAT 21D	Vector Analysis	4	
PHY 9B	Classical Physics	5	

B. Core Requirements (15-20 units)

Ph.D. students are required to take at least one class from each of the five categories below, which encompass the main areas of the atmospheric sciences. Within each category, students must take one of the courses marked by the asterisk (*) unless the equivalent course was taken in a prior program. Additional courses to those listed below may be available. A "B" grade average or better is required for the core courses.

Course Number	Course Title	Units	Term /Year	Grade
Dynamics emphas	is			
ATM 111	Weather Analysis and Prediction	3		
ATM 121A	Atmospheric Dynamics I (*)	4		
ATM 121B	Atmospheric Dynamics II (*)	4		
ATM 221	Advanced Atmospheric Dynamics	3		
ATM 250	Mesoscale Meteorology	3		
Climate emphasis				
ATM 115	Hydroclimatology	3		
ATM 116	Modern Climate Change	3		
ATM 215	Advanced Hydroclimatology	3		
ATM 240	General Circulation of the Atmosphere	4		
ATM 241	Climate Dynamics	3		
ATM 245	Climate Change Science and Impacts (*)	4		
Atmospheric Cher	mistry/Air Quality emphasis		•	
ATM 149	Air Pollution	4		
ATM 160	Introduction to Atmospheric Chemistry (*)	4		
ATM 231	Advanced Air Pollution Meteorology	3		
ATM 260	Atmospheric Chemistry	3		
ECI 242	Air Quality	4		
ECI 247	Aerosols	4		
ECI 241	Environmental Reactive Chemical Transport Modeling	4		
Biometeorological	/Boundary Layer emphasis			
ATM 124	Meteorological Instruments and Observations	3		
ATM 133	Biometeorology (*)	4		
ATM 158	Boundary Layer Meteorology (*)	4		
ATM 223	Advanced Boundary Layer Meteorology	3		
ATM 233	Advanced Biometeorology	3		
ECI 289I	Introduction to Turbulence	4		
Atmospheric Phys	sics emphasis			
ATM 120	Atmospheric Thermodynamics and Cloud Physics (*)	4		
ATM 128	Radiation and Satellite Meteorology (*)	4		
ATM 230	Atmospheric Turbulence	3		
ATM 244	Cloud and Precipitation Physics	3		
	Total Units: Average Grade:		J nits:	
			ge Grade:	

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Name:			Date:			
our requirements beloetween 16 and 21 ur erves as the capstone	(16-21 units) uires additional graduate and upper divisions. Depending on the total number of units of elective courses, for a minimum of requirement. At least 12 units of researc ourse requirement or the total-unit requirement.	its of core courses taken, studing total units. In addition, a hhim (299 or equivalent) are required.	dents are required dissertation is real time.	ed to take equired and lo not coun		
			Compl	etion Status		
total courses re	pper division units beyond the core cours quirement. These elective courses should Major Professor and/or the ASGG Gradua	be chosen with the advice ar				
instructed by a	At least 12 units of elective courses must be graduate-level courses that are either in ATM, instructed by an ASGG-affiliated faculty member, or approved by the ASGG Graduate Advisor. These courses are part of requirement i. above.					
iii. A maximum of	3 units can be taken as S/U.					
one format in-Guidelines ava	and at most 4 units, of ATM 290 during lass oral presentation. More details are p lable on the ASGG website (https://atm.t	rovided in the ASGG Semina	r			
Course Number	es successfully completed: Course Title	Units	Term /Year	Grade		
Sourse Number	Course Title	Cints	ICI III / ICai	Grauc		
	Total	Units:				
	Units:					
	s as the capstone requirement. At least 12					
Course Number	Course Title	Units	Term /Year	Grad		

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Total Units: