

Master Atmospheric Sciences (2019) recommended schedule from W2022/2023 on										version: 2022-04-22																							
T	h	E	course#		course#		course#		course#		course#		course#		course#	sum ECTS																	
1 W																	30																
Module 01 Atmospheric Physics and Chemistry			Module 02 Climate and Cryosphere				Module 03 Dynamics of the Atmosphere				Module 04 Boundary Layer Meteorology			Module 07 Scientific Methods																			
Atmospheric Radiation and Remote Sensing			VU	3	5	707702	Physics of the Climate System				VU	3	5	707712	Geophysical Fluid Dynamics		VU	3	5	707721	Boundary Layer Meteorology		VU	3	5	707701	Scientific Programming		VU	3	5	707716	
							Mountain Meteorology				VU	3	5	707751																			
2 S																	30																
Advanced Topics (elective courses)			Module 02 Climate and Cryosphere				Module 07 Scientific Methods				Module 04 Boundary Layer Meteorology			Module 05 Numerical Modeling																			
Elective courses of advanced topics from the fields of Atmospheric Physics and Atmospheric Chemistry; Climate and Cryosphere; Atmospheric Dynamics and/or Modeling and Statistics can be taken at any time!							The Cryosphere as Part of the Climate System				VU	3	5	707711	Geostatistics		VU	3	4.5	707737	Field Course Atmospheric Sciences		EU	4	7.5	707741	Numerical Methods for Models in Atmospheric Sciences		VU	2	4	707708	
																	groups of max 6																
3 W																	30																
Module 05 Numerical Modeling			Module 07 Scientific Methods				Module 01 Atmospheric Physics and Chemistry				Advanced Topics (Elective Courses)			Module 09 Interdisciplinary Skills (Elective)																			
Numerical Modeling of Weather and Climate			VU	4	6	707768	Reading, Writing and Presenting Scientific Content				PS	2	3	70718	Atmospheric Chemistry and Biogeochemistry		VU	3	5	707753	Elective courses of advanced topics from the fields of Atmospheric Physics and Atmospheric Chemistry; Climate and Cryosphere; Atmospheric Dynamics and/or Modeling and Statistics		1.5	courses from related Master programs (e.g. math, statistics, physics, biology, chemistry, engineering, economics)			10						
			Module 06 Weather Forecasting																														
			Advanced Weather Forecasting				VU	2	3.5	707756																							
			Warm Season Weather Briefing (alternative: Cold Season Weather Briefing 707812 (S))				PS	1	1.5	707757																							
4 S																																	
possible courses for Advanced Topics 09 (for currently offered courses check course catalog at uibk.ac.at)																																	
Module 10 Thesis Preparation			Atmospheric Physics and Atmospheric Chemistry				Climate and Cryosphere				Atmospheric Dynamics																						
:			: literature seminar atmospheric physics and chemistry				PS	1	1.5	: literature seminar climate and cryosphere				PS	1	1.5	: literature seminar mountain meteorology		PS	1	1.5				3								
Module 11 Thesis Defense			: internet of things and data acquisition technologies				PR	3	6	: glaciological field course				EU	2	3	: advanced weather forecasting: winter		PR	1	1.5												
:																																	
Written Thesis			: visualization of scientific data				VU	1	1.5	: seminar for glaciological field course				PS	1	1.5	: advanced weather forecasting: summer		PR	1	1.5	707812											
:			: modeling of climate and cryosphere				VU	2	3	: avalanches (bi-annually)				VO	2	3	: aviation meteorology (bi-annually)		VO	1	2.5												
:			: numerical models in glaciology				VU	2	3	: avalanches (bi-annually)				EU	2	3	: aviation meteorology (bi-annually)		UE	1	1.5												
:			: advanced scientific programming				VU	2	3	: transparency (bi-annual)				2	3	: boundary meteorology		VU	2	3													