

Master Atmospheric Sciences (2019) recommended schedule from W2022/2023 on										version: 2022-07-04																																																									
T	h	E	course#		course#		course#		course#		course#		course#		course#	sum ECTS																																																			
1 W																	29.5																																																		
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	4.5	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				The Cryosphere as Part of the Climate System				Geostatistics				Field Course Atmospheric Sciences				Numerical Methods for Models in Atmospheric Sciences																																																			
8.5				VU				3				5				707711				VU				3				4.5				707737				EU				4				7.5				707741				VU				2				4				707708			
can be taken at any time!												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				Warm Season Weather Briefing (alternative: Cold Season Weather Briefing 707812 (S))				VU	2	3.5	707756																																																				
												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																																																							
7.5				: 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																																											
2.5																																																																			
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																																										
20				: 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																																												