Study Plan – Master of Science Meteorology

	Semester:	1	2	3	4
Compulsory Area	Meteorology	P1 – Dynamics and Synoptics **6 CP** / 2+2 CHW	P3 – Advanced Weather Discussions **5 CP** / 2+1 CHW	P5 – Current Research in Meteorology **10 CP** / 1+2 CHW	
		P2 – Atmospheric Radiation **5 CP** / 2+1 CHW	P4 – Dynamics of the Global Climate System **6 CP** / 2+2 CHW	P6 – Advanced Scientific Working in Meteorology **10 CP** / 1+2 CHW	
	Thesis				Master Thesis **30 CP**
Elective Area	General Meteorology	General Meteorology – **10 CP**; 2 Modules of: A1 – Atmospheric Aerosol, A2 – Atmospheric Chemistry - The Multiphase System, A3 – Numerical Weather Prediction and Climate Modelling, A4 – Polar Climate, A5 – Cloud Physics, A7 – Atmospheric Trace Substances and their Modelling			
	Experimental Meteorology	Experimental Meteorology – **10 CP**; 2 Modules of: E1 – Airborne Physical Measuring Methods, E2 – Ground-based Radar and Microwave Remote Sensing, E3 – Upper Atmosphere, E4 – Active Remote Sensing with Lidar, E5 – Spaceborne Remote Sensing, E6 – Introduction to Advanced Data Analytics			
	Theoretical Meteorology	Theoretical Meteorology – **10 CP**; 2 Modules of: T1 – Dynamics of the Middle Atmosphere, T2 – Atmospheric Models: Parameterizations and Scales, T4 – Scattering and Atmospheric Optics, T5 – Terrestrial Radiative Transfer, T6 – Data Assimilation, T7 - Climate Causality and Attribution			
	Physics	Physics – **8 CP**; 1 Module of: Experimental Physics 3 or Theoretical Physics 1, 2, 4, 5 from B.Sc. IPSP (English) or Experimental Physics 3, 4, 5 or Theoretical Physics 1, 2, 3, 4 from B.Sc. Physik (German)			
	Leipzig University	Free Elective Area – **10 CP**: Either 2 additional Modules from the Elective Areas in Meteorology or any Module(s) from other study programs			

* CHW: contact hours per week (usually lecture + seminar or exercises); CP: credit points