Study Plan Master „Physics of the Earth and Atmosphere“

	Compulsory 12 ECTS	Specialization compulsory 12 ECTS	Specialization elective modules 24-36 ECTS			Elective from related degree programs 0-12 ECTS
1/2 Sem. WiSe 30 ECTS	pea700 Prognostic Modelling 2+2 SWS 6 ECTS	pea710 Atmospheric Dynamics 2+2 SWS 6 ECTS	pea731 Statistical Data Analysis in Geosciences 2+2 SWS 6 ECTS	pea732 Climate Dynamics 2+2 SWS 6 ECTS	pea733 Land Surface Processes 2+2 SWS 6 ECTS	pea740/pea840 modules from Master Geology, Geochemistry, (Astro-)Physics or company internship >4 weeks
		pea720 Physics of Porous Media 2+2 SWS 6 ECTS	pea734 Tectono-physics 2+1+1 SWS 6 ECTS	pea735 Electrical Imaging 2+2 SWS 6 ECTS		MET UzK/GEO UzK modules from Master Physics of the Earth and Atmosphere Cologne University non-selectable for exchange students
2/1 Sem. SuSe 30 ECTS	pea800 Inverse Modelling 2+2 SWS 6 ECTS	pea810 General Hydrodynamics 2+2 SWS 6 ECTS	pea831 Theoretical Synoptics 2+2 SWS 6 ECTS	pea832 Radar Polarimetry 2+2 SWS 6 ECTS	Mobility window semester flexible Double Degree option with University of Padova or Erasmus+ study 1-2 semester	
		pea820 Geodynamics 2+1+1 SWS 6 ECTS	pea834 Hydro-geophysics 2+4 SWS 6 ECTS	pea835 Numerical Methods in Geophysics 2+2 SWS 6 ECTS		

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3 Sem. 30 ECTS	pea950 Research Skills and Expertise 15 ECTS	pea960 Research Methods and Project Planning 15 ECTS
4 Sem. 30 ECTS	pea970 Master's Thesis with Colloquium 30 ECTS	