

Study plan Master "Physics of the Earth and Atmosphere" University of Bonn

120 CP	Compulsory	Compulsory specializing in Meteorology	Compulsory specializing in Geophysics	Compulsory elective 4 modules with 24 credits must be chosen (2 and 4 row: modules offered by MSc PEA in Cologne)								Free compulsory elective		
1 / 2 Sem WiSe	pea700	pea710	pea720	pea731	pea732	pea733		METPHA	GEOSRT		pea734	pea735	pea740 / pea840	
	Prognostic Modelling	Atmospheric Dynamics	Physics of Porous Media	Statistical Data Analysis in Geosciences	Climate Dynamics	Land Surface Processes		Physics of the Atmosphere	Planetary Gravity Fields from Spacecraft Radio Tracking		Tectono-Physics	Electrical Imaging	Modules from MSc Geologie, MSc Geochemie/ Petrologie, MSc Mathematics, MSc Physics, MSc Geodetic Engineering or Compulsory elective modules PEA (Bonn or Cologne) and further changing courses offered in PEA	
				2+2 SWS 6 CP	2+2 SWS 6 CP	2+2 SWS 6 CP		2+1 SWS 6 CP	2+2 SWS 6 CP		2+2 SWS 6 CP	2+2 SWS 6 CP		
				METCHEM	METCLOUD	METRAD	METPOL	METADM	GEOMAG	GEOEEM	GEOSOSYS	GEOSEIS		
Atmospheric Chemistry	Clouds and Precipitation	Atmospheric Radiation	Polar Meteorology	Atmospheric Dynamics and Modelling	Geomagnetism and Space Weather	Direct Current and Electro-magnetic Exploration Methods	Geophysics of the Solar System	Seismology						
2+2 SWS 6 CP	2+2 SWS 6 CP	2+2 SWS 6 CP	2+2 SWS 6 CP	3+2 SWS 6 CP	2+2 SWS 6 CP	2+2 SWS 6 CP	2+2 SWS 6 CP	2+2 SWS 6 CP	2+2 SWS 6 CP	3+2 SWS 6 CP	2+2 SWS 6 CP	2+2 SWS 6 CP		
2 / 1 Sem SoSe	pea800	pea810	pea820	pea831	pea832							pea833		
	Inverse Modelling	General Hydro-dynamics	Geodynamics	Theoretical Synoptics	Radar Polarimetry							Hydro-geophysics		
				2+2 SWS 6 CP	2+2 SWS 6 CP							2+4 SWS 6 CP		
				METCLIMATE	METRS	METABL	METFUT			GEOHYD	GEOSPACE	GEOAFC		
Physical Climatology	Advanced Remote Sensing	Atmospheric Boundary Layer	Future Challenges of Meteorology			Wave-based methods in Hydro-geophysics	Space Physics	Advanced Geophysical Field Course						
2+2 SWS 6 CP	2+2 SWS 6 CP	2+2 SWS 6 CP	2+2 SWS 6 CP	2+2 SWS 6 CP	2+2 SWS 6 CP	3+2 SWS 6 CP	2+3 SWS 6 CP			2+3 SWS 6 CP	3+2 SWS 6 CP	2+2 SWS 6 CP	12 CP	
	Compulsory													
3 Sem	pea950						pea960							
	Research Skills and Expertise						Research Methods and Project Planning							
	15 CP						15 CP							
4 Sem	pea970													
	Master Thesis													
	30 CP													

Sem=Semester WiSe=Winter semester SoSe=Summer semester CP=credit points