

# Master of Science Meteorology (1st semester all core areas)

## Begin of studies in winter semester term

Σ

	<p><b>Core area Dynamics of weather and climate</b></p>	<p><b>Core area Clouds and aerosols</b></p>	<p><b>Core area Modelling</b></p>	<p><b>Core area Composition of the atmosphere</b></p>	<p>L: lecture E: exercise P: practical training S: seminar CH: contact hour (per week per semester)</p>			
<b>4 (SS)</b>	<p><b>Master thesis</b></p> <p>Master thesis (10 P) 30 ECTS</p>					30 ECTS 2 CH		
<b>3 (WS)</b>	<p><b>Special lectures: Dynamics of weather and climate</b></p> <p>Special lecture 2: (2 L) 3 ECTS</p>	<p><b>Special lectures: Clouds and aerosols</b></p> <p>Special lecture 2: (2 L) 3 ECTS</p>	<p><b>Special lectures: Modelling</b></p> <p>Special lecture 2: (2 L) 3 ECTS</p>	<p><b>Special lectures: Composition of the atmosphere</b></p> <p>Special lecture 2: (2 L) 3 ECTS</p>	<p><b>Atmospheric radiation</b></p> <p>Atmospheric radiation - theorie and experiment (2 L + 2 E) 5 ECTS</p>	<p><b>Preparatory module for the master thesis</b></p> <p>Methodological knowledge: (6 P) 9 ECTS Meteorological seminar: (2 S) 3 ECTS</p>	<p><b>Elective subject e.g. Geography</b></p> <p>Introduction to cartography: (2 L) 3 ECTS</p>	26 ECTS 18 CH
<b>2 (SS)</b>	<p><b>Special lecture 1: (2 L) 3 ECTS</b></p>	<p><b>Special lecture 1: (2 L) 3 ECTS</b></p>	<p><b>Special lecture 1: (2 L) 3 ECTS</b></p>	<p><b>Special lecture 1: (2 L) 3 ECTS</b></p>			<p><b>Introduction to physical geography 2: Geomorphology (2 L + 2 E) 6 ECTS</b></p>	33/34 ECTS 22/23 CH
	<p><b>Large scale atmospheric dynamics 2</b></p> <p>Advanced Topics in Atmospheric Dynamics (2 L + 2 E) 6 ECTS</p>	<p><b>Clouds and aerosols 2</b></p> <p>Physics and chemistry of the atmospheric aerosol (2 L + 2 E) 6 ECTS</p>	<p><b>Atmospheric modelling 2</b></p> <p>Modelling with partial differential equations (3 L + 2 E) 7 ECTS</p>	<p><b>Chemistry of the atmosphere 2</b></p> <p>Chemistry of the atmosphere - troposphere and stratosphere (2 L + 2 E) 6 ECTS</p>		<p><b>Advanced lab course</b></p> <p>Advanced lab course B (6 P) 9 ECTS</p>		
<b>1 (WS)</b>	<p><b>Large scale atmospheric dynamics 1</b></p> <p>Balanced and Unbalanced Aspects of Atmospheric Dynamics (3 L + 2 E) 7 ECTS</p>	<p><b>Clouds and aerosols 1</b></p> <p>Clouds and aerosols (3 L + 2 E) 7 ECTS</p>	<p><b>Atmospheric modelling 1</b></p> <p>Modelling with ordinary differential equations (3 L + 2 E) 7 ECTS</p>	<p><b>Chemistry of the atmosphere 1</b></p> <p>Chemistry of the atmosphere - fundamentals and mechanisms (3 L + 2 E) 7 ECTS</p>		<p><b>The lab course takes place during the summer semester break</b></p> <p>Advanced lab course A (2 P) 3 ECTS</p>		31 ECTS 22 CH

**From the 2nd semester on students choose 2 of 4 core areas**

120/121 ECTS