

## PhD program in Meteorology and Climatology (2013)

The total minimum required number of credits:	101 credits
- Coursework:	21 credits
+ Basic courses:	09 credits
• Required:	06 credits
• Elective:	03/6 credits
+ Advanced foreign languages for academic purposes:	04 credits
+ Advanced courses:	06/15 credits
+ Overview:	02 credits
- Research	
- PhD Thesis:	80 credits

### Available curriculum :

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
<b>I</b>	<b>Part 1. Coursework</b>						
<b>I.1</b>	<b>Basic courses</b>		<b>9</b>				
<b>I.1.1</b>	<b>Required</b>		<b>6</b>				
1	HMO6006	<i>Statistical analysis and forecasting</i>	3	15	15	15	
2	HMO6010	<i>Physics of Climate II</i>	3	15	15	15	
<b>I.1.2</b>	<b>Elective</b>		<b>3/6</b>				
3	HMO6011	<i>Mesoscale Meteorology and Modeling</i>	3	15	15	15	
4	HMO8002	<i>Research Methods and Methodology</i>	3	0	0	45	

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
<b>I.2</b>	<b>Advanced foreign languages for academic purposes (choose one of languages below):</b>		<b>4</b>				
5	ENG 8001	English	4	0	0	60	
	RUS 8001	Russian	4	0	0	60	
	FRE 8001	French	4	0	0	60	
	WES 8001	German	4	0	0	60	
	CHI 8001	Chinese	4	0	0	60	
<b>I.3</b>	<b>Advanced courses</b>		<b>6/15</b>				
6	HMO8003	<i>The Asian Monsoon</i>	3	15	15	15	
7	HMO8004	<i>Regional Climate Modeling</i>	3	15	15	15	
8	HMO8005	<i>Tropical cyclone Modeling</i>	3	15	15	15	
9	HMO8006	<i>Convective Parameterization</i>	3	15	15	15	
10	HMO8007	<i>Ensemble Prediction</i>	3	15	15	15	
<b>I.4</b>	<b>Overview</b>		<b>2</b>				
11	HMO8001	Overview	2	0	0	30	
<b>II</b>	<b>Part 2. Research (research planning, publishing ...)</b>						
<b>III</b>	<b>Doctoral Thesis</b>						
12	HMO9010	<i>Doctoral thesis</i>	80				
		<b>Total</b>	<b>101</b>				