



Lectures	Hours	Contents
Prof. Dr. Markus Meier	14	Introduction into statistical methods: 1) Baltic Sea climate variability 2) probability, probability density and distribution, 3) covariance matrix, 4) estimation of statistical parameters, 5) time series analysis – basic definitions, 6) stochastic climate models, 7) auto-covariance function, 8) spectrum, 9) cross-covariance function, 10) uncertainties in statistical analysis, 11) test of hypothesis 12) EOFs
Prof. Dr. Johanna Baehr	4	Seasonal predictions
Dr. Cyril Dutheil	2	Statistical analysis methods: EOFs
Dr. Hagen Radtke	4	Statistical analysis methods of inhomogeneous time series
Dr. Jerome Kaiser	4	Reconstruction of the history of the Baltic Sea and climate proxy data
Prof. Dr. Anders Omstedt	2	Science and art
Dr. Sebastian Wagner	4	Paleoclimate Modelling Intercomparison Project (PMIP)
Dr. Marcus Reckermann	2	Introduction to Baltic Earth
<b>Total</b>	<b>32</b>	

Seminar	Hours	Contents
Prof. Dr. Markus Meier	6-8	Introduction and students' presentations supervised by Prof. Markus Meier and NN

Exercises and tutorials	Hours	Contents
Prof. Dr. Markus Meier, Prof. Dr. Johann Baehr, Dr. Sebastian Wagner, Jan Kaiser, Dr. Florian Börgel, Dr. Cyril Dutheil, Dr. Hagen Radtke, Patrick Pieper, Dr. Jurjen Rooze	28	Exercises, tutorials and excursion/exhibition, students group work