Übersicht über die Lehrveranstaltungen
(Revision Mai 2018)

Vorlesungstitel | ECTS
---|---
**MODUL: Obligatorische Veranstaltungen**
Graduate School Compulsory Courses
Climate Sciences Workshop I | 1.5
Climate Sciences Workshop II | 0.5
Graduate Seminar Climate Sciences | 3.0
Master Thesis Workshop I | 2.0
Master Thesis Workshop II | 1.0

**MODUL: Wahlpflicht**
Graduate School Elective Courses
Oeschger Lectures I | 1.5
Oeschger Lectures II | 1.5
Oeschger Seminar | 5.0
Climate and Agriculture | 3.0
Quantitative Paleolimnology | 2.0
Dendroecological Field Course | 2.5
Dendrochronology | 2.0
Mathematical Skills and Concepts for Climate Sciences | 1.5
Tackling Climate Change: From Science to International Policy | 5.0

**Institute of Plant Sciences**
Plant Metabolism | 5.0
Laboratory Safety | 1.5
Paleoecology and Paleoclimatology of the Alps and their Forelands | 1.5
Advanced Plant Biology: Paleoeocology | 5.0
Paleoclimatological and Paleoecological Excursion to the Swiss Plateau and the Alps | 3.0
Holocene Vegetation History of the Central and Southern Alps | 3.0
Global Change Ecology | 1.5

**Department of Chemistry and Biochemistry**
Environmental Radionuclides and Nuclear Dating | 1.5
Atmospheric and Aerosol Chemistry | 3.0

**Institute of Geological Sciences**
Quaternary Dating Course | 3.0
Unconsolidated Quaternary Sediments in Drillholes and Outcrops | 3.0
Environmental- and Limnogeology (incl. field course) | 3.0
Quaternary Paleoclimate and Paleoenvironment | 2.0
Surface Processes, Geomorphology | 3.0
Scanning Electron Microscopy (SEM) | 1.0
X-Ray Powder Diffraction | 1.5

**Institute of Geography**
Climatology I | 3.0
Climatology II (Aerosols, Boundary Layer, Chemistry) | 3.0
Climatology III (Climate Variability and Change) | 3.0
Meteorology I | 3.0
Meteorology II + Weather Discussion | 3.0
Meteorology III | 3.0
Methods of Climate Reconstruction | 3.0
Remote Sensing in Climatology | 3.0
Micrometeorology Field Course | 3.0
Quaternary Climate Change and Terrestrial Ecosystems: Concepts and Observations | 3.0
Paleosols and Paleolimnology | 3.0
Paleosols and Paleolimnology (Excursions / Field Days) | 1.5
Advanced Lab Methods Paleogeocology and Soils 2.5
Climate Risk Assessment 3.0
Seminar in Climatology and Climate Risks 5.0
Philosophical issues in understanding global change (together with ETHZ) 2.0

Institute of Mathematical Statistics and Actuarial Science
Statistical Methods in Climate Sciences I 5.0
Statistical Methods in Climate Sciences II 5.0
Multivariate Statistics 6.0
Linear Models and Regression I 6.0
Linear Models and Regression II 6.0

Physics Institute/Institute of Applied Physics
Introduction to Climate and Environmental Physics 4.0
Stable Isotopes 4.0
Glaciology and Ice Cores 4.0
Introduction to Climate Modelling including Computer Lab 4.0
Carbon Cycle 4.0
Atmospheric Physics 4.0
Radiative Transfer 4.0
Introduction to Atmospheric Circulation and Modes of Variability 4.0
Planetary Atmospheres 4.0

Department of Economics
Environmental Economics for Non-Economists 4.5
Environmental Economics: Introduction 4.5
Contingent Valuation 4.5
Environmental Econometrics 6.0
Resource Economics 4.5
Climate Economics: Scientific and Economic Foundations 4.5
Climate Economics: International Cooperation 4.5
Political Economy of Climate Change 4.5
Seminar: Economics of Health and Climate 6.0
Seminar: Economic Analysis of Extreme Climate Events 6.0
Seminar: Environmental and Resource Economics 6.0
Microeconomics II 4.5
Econometrics II 4.5
Computational Economics: Applied General Equilibrium Modeling 4.5

Institute of Political Sciences
Water Policy 6.0
Climate and Energy Policy 6.0
The Theory and Empirics of Global Environmental Politics 6.0

Institute of History
Introduction into Historical Climatology 5.0

World Trade Institute
International Environmental Law 5.0

MODUL: Freie Leistungen
Modul "MSc in Atmospheric and Climate Science" (ETHZ)

Bern, 8. Mai 2018

Der Studienleiter Klimawissenschaften

Prof. Dr. Martin Grosjean

Vom Studienausschuss genehmigt:

Bern, 8. Mai 2018

Im Namen der Phil.-nat Fakultät
Der Dekan:

Prof. Dr. Gilberto Colangelo
# Anhang 2: Übersicht über die Lehrveranstaltungen

(Revision November 2017)

<table>
<thead>
<tr>
<th>Vorlesungstitel</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Obligatorisch (9 ECTS)</strong></td>
<td></td>
</tr>
<tr>
<td>Swiss Climate Summer School</td>
<td>3.0</td>
</tr>
<tr>
<td>Kolloquia und/oder Oeschger Seminar Series (6 Semester)</td>
<td>3.0</td>
</tr>
<tr>
<td>Internationale Wissenschaftliche Konferenz</td>
<td>2.0</td>
</tr>
<tr>
<td>OCCR Young Researchers Meeting</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Wahlpflicht (3 ECTS)</strong></td>
<td></td>
</tr>
<tr>
<td>Anhang 1 des SP Klimawissenschaften</td>
<td></td>
</tr>
<tr>
<td>oder aequivalent mit Bewilligung der Studienleitung Klimawissenschaften</td>
<td></td>
</tr>
</tbody>
</table>

Bern, 22. November 2017

Der Studienleiter Klimawissenschaften

Prof. Dr. Martin Grosjean

Vom Studienausschuss genehmigt:

Bern, 28. November 2017

Im Namen der Phil.-nat Fakultät

Der Dekan:

Prof. Dr. Gilberto Colangelo