

Module description: Climate and Energy Economics		
Module Code	w.BA.XX.2ClimEE.XX	
ECTS Credits	3	
Language of Instruction/Examination	English	
Module Description	Climate change is one of the most pressing concerns of our time. The combustion of fossil fuels for energy consumption is a significant contributor to greenhouse gas emissions. This encompasses both the direct use of fossil fuels for transportation and heating, as well as the indirect consumption associated with electricity generation. This module aims to familiarize students with the factors driving climate change, their connection to the energy system, and regulative approaches for transitioning towards a sustainable future. After completing this module, students understand the scientific principles underlying climate change and have the ability to critically evaluate approaches to regulating greenhouse gas emissions across different sectors.	
Organizational Unit	Zentrum für Energie und Umwelt (CEE)	
Module Coordinator	Regina Betz	
Deputy Module Coordinator	Raphaela Kotsch	
Program and Specialization	<ul style="list-style-type: none"> Elective module (see module table) 	
Legal Framework	Academic Regulations BSc dated 29.01.2009, for the degree programs in Business Administration, International Management, Business Information Technology, Business Law, Business Law and Applied Law, first adopted on 12.05.2009	
Module Category	Module Type Compulsory Elective	Program Phase Main Study Period
Prerequisite Knowledge	Basic knowledge in micro-economics	
Contribution to Program Learning Objectives (by the concerned Module)	<ul style="list-style-type: none"> Professional Competence Methodological Competence Social Competence Self-Competence 	
Contribution to Program Learning Objectives	<p>Professional Competence</p> <ul style="list-style-type: none"> Knowing and Understanding Content of Theoretical and Practical Relevance Apply, Analyze, and Synthesize Content of Theoretical and Practical Relevance Evaluate Content of Theoretical and Practical Relevance <p>Methodological Competence</p> <ul style="list-style-type: none"> Problem-Solving & Critical Thinking Scientific Methodology Work Methods, Techniques, and Procedures Information Literacy Creativity & Innovation <p>Social Competence</p> <ul style="list-style-type: none"> Written Communication Oral Communication Teamwork & Conflict Management Intercultural Insight & Ability to Change Perspective <p>Self-Competence</p> <ul style="list-style-type: none"> Self-Management & Self-Reflection Ethical & Social Responsibility Learning & Change 	

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Module Learning Objectives	Students... <ul style="list-style-type: none">• are able to discuss the fundamental regulatory challenges imposed by climate change.• are able to describe regulatory approaches for carbon mitigation and its political challenges.• are able to understand and evaluate carbon mitigation policies.• are able to propose approaches to carbon mitigation.• are able to describe the fundamental challenges of international environmental coordination with regard to climate change.• understand the concept and basic methodology of climate adaptation.• are able to communicate the difficulties of implementing climate policies and approaches to overcome these difficulties.																																							
Module Content	<ul style="list-style-type: none">• The Climate System and the Greenhouse Gas Effect• Energy and Climate• International Environmental Regulation• Environmental Economics: Instruments• Mitigation vs. Adaptation• Swiss Climate Policy• European Climate Policy• Environmental Regulation: Energy Efficiency• Environmental Regulation: Transportation• Environmental Regulation: Electricity - Carbon Pricing• Environmental Regulation: Electricity - Renewable Energy Promotion																																							
Links to other modules	This module is linked to the following modules: <ul style="list-style-type: none">• w.BA.XX.2GEW.XX• w.BA.XX.2EEP.XX																																							
Digital Learning Resources	<ul style="list-style-type: none">• Teaching Videos• Teaching Materials																																							
Methods of Instruction	<ul style="list-style-type: none">• Literature Review• Problem-Oriented Teaching• Lecture• Case Studies• Application Tasks• Interactive Instruction			Social Settings Used: <ul style="list-style-type: none">• Individual Work																																				
Type of Instruction	<table><tr><td></td><td>Classroom Instruction</td><td>Guided Self-Study</td><td colspan="2">Autonomous Self-Study</td></tr><tr><td>Large Class</td><td>28 h</td><td>-</td><td colspan="2"></td></tr><tr><td>Small Class</td><td>-</td><td>-</td><td colspan="2"></td></tr><tr><td>Group Instruction</td><td>-</td><td>-</td><td colspan="2"></td></tr><tr><td>Practical Work</td><td>-</td><td>-</td><td colspan="2"></td></tr><tr><td>Seminar</td><td>-</td><td>-</td><td colspan="2"></td></tr><tr><td>Total</td><td>28 h</td><td>0 h</td><td colspan="2">62 h</td></tr></table>						Classroom Instruction	Guided Self-Study	Autonomous Self-Study		Large Class	28 h	-			Small Class	-	-			Group Instruction	-	-			Practical Work	-	-			Seminar	-	-			Total	28 h	0 h	62 h	
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Performance Assessment	<table><tr><td colspan="2">End-of-module exam</td><td>Form</td><td>Length (min.)</td><td>Weighting</td></tr><tr><td colspan="2">Oral exam</td><td></td><td>20</td><td>70.00</td></tr><tr><td colspan="2">Permitted Resources</td><td colspan="3"></td></tr><tr><td colspan="5"></td></tr><tr><td>Others</td><td>Assessment</td><td>Format</td><td>Length (min.)</td><td>Weighting</td></tr><tr><td>Written Assignment</td><td>Grade</td><td>Einzelarbeit</td><td>0</td><td>25.00</td></tr><tr><td>Others</td><td>Grade</td><td>Einzelarbeit</td><td>0</td><td>5.00</td></tr></table>					End-of-module exam		Form	Length (min.)	Weighting	Oral exam			20	70.00	Permitted Resources										Others	Assessment	Format	Length (min.)	Weighting	Written Assignment	Grade	Einzelarbeit	0	25.00	Others	Grade	Einzelarbeit	0	5.00
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Classroom Attendance Requirement	Other No presentation required. Participation in the climate negotiation game in Week 4 counts for 5% of the final grade.
Compulsory Reading	
Recommended Reading	
Comments	