

2019.HS

<b>Module Name: Climate and Energy Economics</b>			
Module Code	w.BA.XX.2ClimEE.XX		
Module Description	Climate change is one of the main concerns of our times. Energy consumption in the form of fossil fuel combustion causes a major part of greenhouse gases. This includes direct use of fossil fuels for transportation and heating purposes as well as indirect consumption from the use of electricity. This module introduces students to the mechanisms behind climate change, their relation to the energy system, and approaches to regulate the energy system towards a sustainable future. After completing this module, students understand the scientific theory of climate change and are able to critically assess approaches to regulate greenhouse gases caused by the energy system.		
Program and Specialization	<ul style="list-style-type: none"> <li>§ Business Administration - Accounting, Controlling, Auditing</li> <li>§ Business Administration - Banking and Finance</li> <li>§ Business Administration - Banking and Finance (FLEX)</li> <li>§ Business Administration - Banking and Finance (PIE)</li> <li>§ Business Administration - Economics and Politics</li> <li>§ Business Administration - General Management</li> <li>§ Business Administration - General Management (Flex)</li> <li>§ Business Administration - General Management (PIE)</li> <li>§ Business Administration - Risk and Insurance</li> <li>§ Business Administration - Risk and Insurance (Flex)</li> <li>§ Business Information Technology</li> <li>§ International Management</li> </ul>		
Legal Framework	Academic Regulations BSc dated 29.01.2009, Appendix to the Academic Regulations for the degree programs in Business Administration, Business Information Technology, and Business Law, first adopted on 12.05.2009		
Module Category	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"><b>Module Type:</b> Compulsory Elective</td> <td style="width: 40%;"><b>Program Phase:</b> Main Study Period</td> </tr> </table>	<b>Module Type:</b> Compulsory Elective	<b>Program Phase:</b> Main Study Period
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ECTS	3		
Organizational Unit	W Center for Energy and Environment		
Module Coordinator	Jan Abrell (abre)		
Deputy Module Coordinator	Regina Betz (betz)		
Prerequisite Knowledge	Basic knowledge in micro-economics		
Contribution to Program Learning Goals (Affected by Module)	<ul style="list-style-type: none"> <li>§ Professional Competence</li> <li>§ Methodological Competence</li> <li>§ Social Competence</li> <li>§ Self-Competence</li> </ul>		
Contribution to Program Learning Objectives	<ul style="list-style-type: none"> <li>Professional Competence <ul style="list-style-type: none"> <li>§ Knowing and Understanding Content of Theoretical and Practical Relevance</li> <li>§ Apply, Analyze, and Synthesize Content of Theoretical and Practical Relevance</li> <li>§ Evaluate Content of Theoretical and Practical Relevance</li> </ul> </li> <li>Methodological Competence <ul style="list-style-type: none"> <li>§ Problem-Solving &amp; Critical Thinking</li> <li>§ Scientific Methodology</li> <li>§ Work Methods, Techniques, and Procedures</li> <li>§ Information Literacy</li> <li>§ Creativity &amp; Innovation</li> </ul> </li> <li>Social Competence <ul style="list-style-type: none"> <li>§ Written Communication</li> <li>§ Oral Communication</li> <li>§ Teamwork &amp; Conflict Management</li> <li>§ Intercultural Insight &amp; Ability to Change Perspective</li> </ul> </li> <li>Self-Competence <ul style="list-style-type: none"> <li>§ Self-Management &amp; Self-Reflection</li> <li>§ Ethical &amp; Social Responsibility</li> <li>§ Learning &amp; Change</li> </ul> </li> </ul>		
Module Learning Objectives	<p>Students...</p> <ul style="list-style-type: none"> <li>§ are able to elaborate on the fundamental regulatory challenges imposed by climate change.</li> <li>§ are able to describe regulatory approaches for carbon mitigation and their political challenges.</li> <li>§ are able to understand and evaluate carbon mitigation policies.</li> <li>§ are able to propose approaches to carbon mitigation.</li> </ul>		

	§ are able to describe the fundamental challenges of international environmental coordination. § understand the concept and basic methodology of climate adaptation. § are able to communicate the difficulties of transport regulation and approaches to overcome these difficulties.		
Module Content	§ 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	-		
Methods of Instruction	§ Lecture § Interactive Instruction § Application Tasks § Case Studies § Problem-Oriented Teaching § Literature Review	<b>Social Settings Used:</b> Individual Work	
Digital Resources	Teaching Materials		
Type of Instruction	<b>Classroom Instruction</b>	<b>Guided Self-Study</b>	<b>Autonomous Self-Study</b>
Large Class	28 h	-	
Small Class	-	-	
Group Instruction	-	-	
Practical Work	-	-	
Seminar	-	-	
<b>Total</b>	<b>28 h</b>	<b>0 h</b>	<b>62 h</b>
Performance Assessment			
<b>End-of-module exam</b>	<b>Form</b>	<b>Length (min.)</b>	<b>Weighting</b>
Oral exam		20	75.00 %
<b>Permitted Resources</b>	Permitted resources to be communicated.		
<b>Others</b>			
	<b>Assessment</b>	<b>Length (min.)</b>	<b>Weighting</b>
Written Assignment	Grade	-	25.00 %
Classroom Attendance Requirement	None		
Language of Instruction/Examination	English		
Compulsory Reading	-		
Recommended Reading	-		
Comments	-		