

Valid for 2022.HS

Module Name: Climate and Energy Economics			
Module Code	w.BA.XX.2ClimEE.XX		
Module Description	Climate change is one of the main concerns of our time. Energy consumption in the form of fossil fuel combustion is responsible for the largest share of greenhouse gases. This includes the 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 drivers of climate change, their relationship to the energy system, and approaches to regulating 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 regulating greenhouse gases caused by different sectors.		
Program and Specialization	<ul style="list-style-type: none"> § Business Administration - Specialization in Accounting, Controlling, Auditing § Business Administration - Specialization in Banking and Finance § Business Administration - Specialization in Banking and Finance (FLEX) § Business Administration - Specialization in Banking and Finance (PiE) § Business Administration - Specialization in Behavioral Design § Business Administration - Specialization in Economics and Politics § Business Administration - Specialization in General Management § Business Administration - Specialization in General Management (Flex) § Business Administration - Specialization in Marketing § Business Administration - Specialization in Risk and Insurance § Business Information Technology § International Management 		
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: 50%;">Module Type: Compulsory Elective</td> <td style="width: 50%;">Program Phase: Main Study Period</td> </tr> </table>	Module Type: Compulsory Elective	Program Phase: Main Study Period
Module Type: Compulsory Elective	Program Phase: Main Study Period		
ECTS	3		
Organizational Unit	W Zentrum für Energie und Umwelt (CEE)		
Module Coordinator	Regina Betz (betz)		
Deputy Module Coordinator	-		
Prerequisite Knowledge	Basic knowledge in micro-economics		
Contribution to Program Learning Goals (Affected by Module)	<ul style="list-style-type: none"> § Professional Competence § Methodological Competence § Social Competence § Self-Competence 		
Contribution to Program Learning Objectives	<ul style="list-style-type: none"> Professional Competence <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 Methodological Competence <ul style="list-style-type: none"> § Problem-Solving & Critical Thinking § Scientific Methodology § Work Methods, Techniques, and Procedures § Information Literacy § Creativity & Innovation Social Competence <ul style="list-style-type: none"> § Written Communication § Oral Communication § Teamwork & Conflict Management § Intercultural Insight & Ability to Change Perspective Self-Competence <ul style="list-style-type: none"> § Self-Management & Self-Reflection § Ethical & Social Responsibility § Learning & Change 		
Module Learning Objectives	<p>Students...</p> <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	§ 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	The content of this module is linked to the following modules: w.BA.XX.2EEP.XX w.BA.XX.2GEW.XX		
Methods of Instruction	§ Lecture § Interactive Instruction § Application Tasks § Case Studies § Problem-Oriented Teaching § Literature Review	Social Settings Used: Individual Work	
Digital Resources	§ Teaching Videos § Teaching Materials		
Type of Instruction	Classroom Instruction	Guided Self-Study	Autonomous Self-Study
Large Class	28 h	-	
Small Class	-	-	
Group Instruction	-	-	
Practical Work	-	-	
Seminar	-	-	
Total	28 h	0 h	
Performance Assessment			
End-of-module exam	Form	Length (min.)	Weighting
Oral exam		20	75,00 %
Permitted Resources	Permitted resources to be communicated.		
Others	Assessment	Length (min.)	Weighting
Written Assignment	Grade	-	25,00 %
Classroom Attendance Requirement	Mandatory Attendance: None None		
Language of Instruction/Examination	English		
Compulsory Reading	-		
Recommended Reading	-		
Comments	-		