

Valid for 2022.HS

Module Name: Quan	titative Methods and Big Data fo	or Managers			
Module Code	w.BA.XX.2QMethBD.XX	•			
Module Description Program and Specialization	This module teaches students an applied approach to empirical and quantitative methods that enables them to understand data-driven decision-making processes and make the respective decisions themselves. It covers a wide range of quantitative methods – from the design of questionnaires to analysis using visual tools and multivariate regressions. The module is designed as a project course in which students work on their own quantitative project (in small groups), giving them a hands-on experience of data-driven analysis. Participation prepares students for using quantitative methods in their Bachelor's thesis, but it also teaches important fundamentals that can be applied in a more data-driven business environment. § Business Administration - Specialization in Accounting, Controlling, Auditing				
	 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 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 International Management 				
Legal Framework	the degree programs in Business Administra Business Law, first adopted on 12.05.2009				
Module Category	Module Type: Compulsory Elective	Program Phase: Main Study Period			
ECTS	3				
Organizational Unit	W Abteilung International Business				
Module Coordinator	Benedikt Zoller-Rydzek (zolb)				
Deputy Module Coordinator	Florian Keller (kelf)				
Prerequisite Knowledge	No perquisite knowledge is required, but an helpful.	affinity to tools or programs such as Excel is			
Contribution to Program Learning Goals (Affected by Module)	 Professional Competence Methodological Competence Social Competence Self-Competence 				
Contribution to Program Learning Objectives	Professional Competence § 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 § Problem-Solving & Critical Thinking § Scientific Methodology § Work Methods, Techniques, and Procedures Information Literacy § Creativity & Innovation Social Competence § Written Communication § Oral Communication § Teamwork & Conflict Management § Intercultural Insight & Ability to Change Perspective Self-Competence § Self-Management & Self-Reflection § Ethical & Social Responsibility § Learning & Change				
Module Learning Objectives	Students \$ understand what quantitative research is applied \$ are able to design surveys that can be us are able to work with data, such as clean basic quantitative tools	sed to gather data			

		§ understand the limita problems, (iii) correla § are able to interpret a § know about Big Data	tion vs. causation, and present quantit trends and possib	and (iv) statisti tative results le applications			
	ule Content	 Introduction to quanti Good design and exe Data preparation and Data presentation and 	ecution of surveys analysis	ve methods			
Links to other modules							
Methods of Instruction		 \$ Lecture \$ Application Tasks \$ Exercises \$ Problem-Oriented Teaching \$ Project Work 		Social Settings Used: Group Work			
	al Resources	ReaderTeaching VideosTeaching MaterialsOnline survey project					
Туре	of Instruction	Classroom Instruction	Guided Self-St	udy	Autonon	nous Self-Study	
	Large Class	28	ו	-			
	Small Class		-	-			
	Group Instruction		-	-			
	Practical Work		-	42 h			
	Seminar		-				
	Total	28	ן ו	42 h		20 h	
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