Module Name	Quantitative Research Methods				
Module Code	QNREMET	ECTS-Credits	3	Language of Teaching	De/En
Module Group	Research Methodology		Module Level	Master	
Contact Lessons	28L		Total Effort	90h	
Module Responsibility	Prof. Dr. Franz Kronthaler				
Module Requirements	Good knowledge of descriptive and inductive statistics				
Module Objectives	The purpose of this module is to enable students to use quantitative research methods and to conduct empirical research projects. Specifically the module pursues the following objectives: • The students are able to collect quantitative data in a scientifically sound manner • The students are able to employ quantitative data analysis techniques in research projects • The students are able to critically assess the conduct and outcomes of quantitative research projects				
Module Contents	The course provides an application-oriented introduction in quantitative research methods. The focus is laid on the fundamental concepts behind quantitative research methods and when to use it. Special attention is placed on possible pitfalls and its consequences when using quantitative data analysis techniques. Specifically the module covers the following topics: • Quantitative data • Parametric and nonparametric tests • Analysis of variance • Regression analysis • Regression diagnostic				
Module Structure	Contact Lessons: 30h Self-Study: 60h				
Module Didactics	Theoretical discussion and practical application with the help of the statistics software „R". The contents will be taught by reading combined with discussions and data exercises. The application of E-Learning methods is possible. The self-study assignment comprises the preparation and review of the lectures, as well as analysing data with the help of the methods taught.				
Performance Evaluation	Written examination (70%) Self-study assignment (30%)				