

**Module: CC 503 Empirical Methods****Contents:**

Theoretical foundations of empirical research. Statistical foundations of empirical research (key summary statistics, important theoretical probability distributions, methodology of hypothesis testing and key test statistics). Introduction to qualitative empirical research. Introduction to experimental empirical research. Introduction to survey-based empirical research. Introduction to empirical research based on secondary data.

**Learning outcomes:**

Participants understand the epistemological possibilities and limitations of empirical research in the domain of business administration.

Participants are capable to describe a dataset using appropriate summary statistics and test simple hypotheses about the structure of the data.

Participants know the general approach to conducting qualitative studies, experimental studies, survey-based studies and studies based on secondary data.

Participants understand fundamental methods for analyzing causal relationships (particularly ANOVA and analysis of regression). They are able to properly interpret results from these methods.

**Prerequisites:**

**Formal:** not taken CC 502

**Recommended:** -

<b>Obligatory registration:</b> no	<b>Further information on registration:</b> -	
<b>Courses</b>	<b>Hours per week</b>	<b>Self-study</b>
Lecture	2	6
Exercise class	1	3
ECTS in total	6	
<b>Form of assessment</b>	Written exam (90 min.)	
<b>Preliminary course work</b>	-	
<b>Lecturer/Person in charge</b>	Prof. Dr. Christina Schamp	
<b>Duration of module</b>	1 Semester	
<b>Offering</b>	Fall semester and Spring semester	
<b>Language</b>	English	
<b>Program-specific educational goals</b>	LG 2	
<b>Grade</b>	graded	
<b>Range of application</b>	M.Sc. MMM, M.Sc. MMBR, M.Sc. Bus. Edu., M.A. K&W	