Module SQ1 01					
Theoretical and Empirical Research Methodology *Theoretische und empirische Wirtschaftsforschung*					
Module type		Required			
Module ID number		215101010			
Credit points (LP)		5 LP			
Semester hours per week (SWS)		3 SWS			
Semester	1st semester	**Workload (total)**		150 h	
Term	Every fall semester (fall term)	**of which**	**Classroom hours**	45 h	
Duration	1 semester		**Self-study**	105 h	

Qualification objective	Students are able to explain their research interest and develop a suitable quantitative, qualitative or mixed-methods research design. Students are familiar with basic concepts from the philosophy of science relevant to research and work practice. Starting from their research design, students are able to independently write research reports that meet the requirements for scientific work. The students know the basics of quantitative and qualitative economic research and can explain their respective advantages and disadvantages. They also understand the concept of a pluralist research strategy and can assess its opportunities and risks.
Expertise	Students understand different levels of measurement and can justify what kind of data is needed given their research interest. They understand the relationship between theory and empirical data. They understand the concept of the theory-ladenness of observation and its relevance for the acquisition and processing of data. They also understand the concept of a pluralistic research approach and can assess its appropriateness in different situations. Students know the difference between descriptive and inferential data analysis. They are able to read and visualize data using appropriate software and, if necessary, derive specific hypotheses and develop a research design appropriate to their epistemic interest. They understand basic concepts of the philosophy of science and are familiar with the typical requirements of scientific work and can write short reports that meet these requirements.
Methodological competence	Students are able to critically reflect on theories with regard to their underlying meta-theoretical assumptions. In addition, they can independently derive research questions and hypotheses from theory. In doing so, they can apply basic concepts of scientific theory such as the deductive-nomological model, and assess their value for practical work. The students are familiar with different types of data acquisition, e.g. laboratory experiments, interviews, surveys and indicator building, and are able to read, prepare, visualize and explore both qualitative and quantitative data. The students know the most important rules of scientific work and are able to write scientific reports.
Social and personal skills	Students understand the importance of quantitative and qualitative economic research for science and practice. They can explain the similarities and differences between quantitative and qualitative research designs and select the appropriate approach for ideal-typical use cases. They can assess the potential of pluralist and mixed-methods approaches and reflect on their own design decisions and explain them in a way that is appropriate for the target group.

Continuation of module SQ1 01:

Course and study formats	Lecture, group work, tutorials, app-supported self-study, instructional videos
Module coordinator	Prof. Dr. Claudius Gräbner-Radkowitsch
Prerequisites	None
Applicable degree program	M.A. International Management Studies - BWL
Language of instruction	English
Comments / Other	Mandatory course in SQ 1 Research Competence.

<table>
<tr><td rowspan="6">SQ1 01: Submodule 1</td><td colspan="5">Theoretical and Empirical Research Methodology</td></tr>
<tr><td colspan="5">Theoretische und empirische Wirtschaftsforschung</td></tr>
<tr><td>Submodule number</td><td>215101011</td><td colspan="2">Study format</td><td>Lecture/exercise</td></tr>
<tr><td>Semester hours per week (SWS)</td><td>3 SWS</td><td colspan="2">Workload (submodule)</td><td>150 h</td></tr>
<tr><td>Module Type</td><td>Required</td><td rowspan="2">of which</td><td>Classroom hours</td><td>45 h</td></tr>
<tr><td>Planned Participants</td><td>90</td><td>Self-Study</td><td>105 h</td></tr>
<tr><td>Preliminary examinations</td><td colspan="4">Two Essays (each max. 3000 words), two Quarto-Reports (on 3 - 6 data scientific or econometric problems)</td></tr>
<tr><td rowspan="6">SQ1 01: Module exam</td><td colspan="5">Exam</td></tr>
<tr><td colspan="5">Modulprüfung</td></tr>
<tr><td>Exam number</td><td>215101015</td><td colspan="2">Scope of the exam</td><td>120 min</td></tr>
<tr><td>Form of examination</td><td>Written exam</td><td colspan="2" rowspan="2">Exam preparation</td><td rowspan="2">0 h (see comments)</td></tr>
<tr><td>Graded exam?</td><td>Yes</td></tr>
<tr><td>Comments regarding the module exam</td><td colspan="4">Written exam and at least one ungraded preliminary examination (passed/failed).
Exam preparation takes place as part of self-study in SM 1.</td></tr>
<tr><td colspan="6">Letzte Änderung: 05.02.2026</td></tr>
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