

<b>Module title</b>		<b>Abbreviation</b>
Advanced Quantitative Methods in the Social Sciences		o6-MA-FME2-102-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Quantitative Methods in the Social Sciences		
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
10	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	graduate	--
<b>Contents</b>		
German contents available but not translated yet.		
<p>Fortgeschrittene Themen der quantitativen Datenanalyse, insbesondere fortgeschrittene Analyseverfahren und/oder modernes Forschungsdesign. Probleme der kausalen Interferenz und der Identifikation kausaler Effekte. Fortgeschrittene Regressionsverfahren wie z.B. Strukturgleichungsmodelle, Mehrebenenanalyse, Paneldatenanalyse, TSCS, Selektionsmodelle, Instrumentvariablen. Praktische Anwendung mit moderner sozialwissenschaftlicher Statistiksoftware (z.B. R oder Stata) am Beispiel.</p>		
<b>Intended learning outcomes</b>		
German intended learning outcomes available but not translated yet.		
<p>Die Teilnehmer/-innen erwerben die Kompetenz, mit moderner statistischer Software theoretisch abgeleitete Hypothesen mit fortgeschrittenen Analyseverfahren lege artis zu überprüfen und fortgeschrittene Forschungsdesigns anzuwenden. Sie können die Befunde auf Basis komplexer Verfahren einem Fachpublikum schriftlich und mündlich präsentieren und können auf kritische Nachfragen sachlich argumentierend antworten (z.B. zu Problemen der Modellspezifikation, zu Bias oder zur Identifikation kausaler Effekte). Sie haben die Kompetenz, Artikel aus führenden internationalen Fachzeitschriften zu lesen und zu verstehen.</p>		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
S (no information on SWS (weekly contact hours) and course language available)		
<b>Method of assessment</b> (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
<p>a) presentation (maximum 30 minutes) and term paper (approx. 20 pages) or b) presentation (maximum 30 minutes) and written examination (approx. 90 minutes) or c) presentation (maximum 30 minutes) and 2 essays (5 pages each) or d) presentation (maximum 30 minutes) and take-home exam (time to complete: maximum 3 days, approx. 10 to 15 pages)*, weighted 3:7. *A take-home exam is a set of questions -- its structure comparable to that of a written examination -- to be answered at home independently and in a relatively short period of time. Using aids is permitted but, just as is the case when writing term papers, these aids must be thoroughly documented. Section 22 Subsection 11 ASPO (general academic and examination regulations) is in force. The exam will be completed electronically as specified by the examiner. Language of assessment: German or other language</p>		
<b>Allocation of places</b>		
Number of places: approx. 20. Places will be allocated by lot.		
<b>Additional information</b>		
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<b>Workload</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		



Master's degree (1 major) Political and Social Sciences (2010)