## Module description

### Module title
Quantitative Methods 2 A

### Abbreviation
06-PSSc-Quanti2A-152-m01

### Module coordinator
holder of the Chair of Quantitative Methods in the Social Sciences

### Module offered by

### ECTS
5

### Method of grading
numerical grade

### Only after succ. compl. of module(s)
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### Duration
1 semester

### Module level
graduate

### Other prerequisites
May not be combined with 06-PSSc-Quanti2B.

### Contents
Selected topics of advanced quantitative data analysis, especially advanced analysis methods and/or modern research design (e.g. Factorial Surveys). Problems of causal inference and identification of causal effects. Particular advanced regression methods such as multi-level analysis, panel data analysis, etc. are treated in depth. Hands-on application with statistical software (e.g. Stata or R).

### Intended learning outcomes
The students know a second selected method of data analysis in its depth (e.g. multi-level analysis or panel data analysis) and can apply it by using statistical software.

### Courses

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<thead>
<tr>
<th>Type</th>
<th>Number of weekly contact hours</th>
<th>Language</th>
<th>Language of assessment</th>
<th>Language creditable for bonus</th>
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<tbody>
<tr>
<td>S</td>
<td>2</td>
<td>German and/or English and potentially other language</td>
<td>German and/or English and potentially other language</td>
<td>creditable for bonus</td>
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### Method of assessment

- a) written examination (approx. 90 minutes, numerical grade),
- b) oral examination of one candidate each (approx. 30 minutes, numerical grade),
- c) term paper (approx. 25 pages, numerical grade),
- d) presentation (approx. 30 minutes, numerical grade) and term paper (approx. 25 pages, numerical grade),
- e) portfolio (approx. 50 hours total, numerical grade),
- f) research report (approx. 15 pages, numerical grade)

Language of assessment: German and/or English and potentially other language
creditable for bonus

### Allocation of places
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### Additional information
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### Referred to in LPO I
(examination regulations for teaching-degree programmes)
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### Module appears in
- Master's degree (2 majors) Political and Social Sciences (2015)
- Master's degree (1 major) Political and Social Sciences (2015)
- Master's degree (1 major) Chinese Politics and Society (2019)
- Master's degree (1 major) Political and Social Sciences (2020)