Module title			Abbreviation
Spatial Analyses and assessment			09-HG-MSc-Meth2-102-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Social Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
10	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	graduate	--	

Contents

The module covers essential methodological elements of "Applied Geography" with the help of qualified processes and techniques of regional analysis and process modelling as well as theoretical and methodological basics of the decision preparation concerning planning processes. In the first module component will be presented advanced methods and techniques concerning the analysis and modelling of quantitative data with the help of case studies and possibilities of their planning-related application (e.g. simulation) will be discussed, too. The second module component deals primarily with fundamental aspects of action and decision theory. Rational explanatory models concerning the choice behaviour will be debated and completed with strategical and institutional point of views. In addition, processes for the decision making, i.e. the goal formation and evaluation of action alternatives, will be presented and discussed in the context of geospatial planning processes.

Intended learning outcomes

The module provides students with advanced, theoretical and profound methodical expertise in the analysis and modelling of spatial data as well as the assessment of spatial planning issues.

Courses (type, number of weekly contact hours, language — if other than German)

This module comprises 2 module components. Information on courses will be listed separately for each module component.

- 09-HG-MSc-Meth2-1-102: S (no information on SWS (weekly contact hours) and course language available)
- 09-HG-MSc-Meth2-2-102: S (no information on SWS (weekly contact hours) and course language available)

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 09-HG-MSc-Meth2-1-102: Methods of Analyses and Modelling

- 5 ECTS, Method of grading: numerical grade
- a) practical exercises (approx. 20 pages) or b) term paper (approx. 15 pages) and presentation (approx. 30 minutes) or c) written examination (approx. 45 minutes)

Assessment in module component 09-HG-MSc-Meth2-2-102: Decision Theory and assessment methods

- 5 ECTS, Method of grading: numerical grade
- a) practical exercises (approx. 20 pages) or b) term paper (approx. 15 pages) and presentation (approx. 30 minutes) or c) written examination (approx. 45 minutes)

Allocation of places

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Additional information

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Workload

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Teaching cycle
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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 (1 major) Applied Human Geography (2010)