

<b>Georg-August-Universität Göttingen</b>		6 C
<b>Module M.Geg.17: Landscape Ecology</b>		4 WLH
<p><b>Learning outcome, core skills:</b></p> <p>The students know the components of element, water and energy budgets and fluxes in landscapes, and the most important element cycles. They are familiar with assessing soil properties and soil distribution patterns in landscapes, and with the measurement of microclimatic parameters.</p> <p>The students are able to generate hypotheses on the mutual relationships relief-soils-microclimate, to develop appropriate strategies for testing their hypotheses and to apply them in practice.</p> <p>The students have the competency to work on a research question in small international, culturally diverse teams, in a creative and outcome-oriented way. Thereby, they appreciate diverse cultural backgrounds and different approaches to handle a task. They are able to reflect on these in a constructive way and to jointly develop strategies for solving their research questions.</p>		<p><b>Workload:</b></p> <p>Attendance time: 56 h</p> <p>Self-study time: 124 h</p>
<b>Course: Landscape-ecological methods</b> (Lecture)		1 WLH
<b>Course: Landscape-ecological theory</b> (Lecture)		1 WLH
<p><b>Course: Landscape-ecological project</b> (Seminar)</p> <p>with project-type components to be carried out in small international teams including measurements in the field.</p>		2 WLH
<p><b>Examination: Presentation (ca. 30 Min.) with written report (max. 20 p.) or DIN A 0 poster</b></p> <p><b>Examination prerequisites:</b></p> <p>Regular attendance of the seminar and active involvement in the field measurements</p>		6 C
<p><b>Examination requirements:</b></p> <p>The students proof that they are able to generate hypotheses on the mutual relationships relief-soils-microclimate, to develop appropriate strategies for testing their hypotheses, considering different perspectives, and to apply them in practice. They proof that they can collaborate in an international team, interpret, document, present, discuss their results, and critically reflect the applied methods and obtained outcomes.</p>		
<b>Admission requirements:</b>	<b>Recommended previous knowledge:</b>	
none	none	
<b>Language:</b>	<b>Person responsible for module:</b>	
English	Prof. Dr. Daniela Sauer	
<b>Course frequency:</b>	<b>Duration:</b>	
each winter semester	1 semester[s]	
<b>Number of repeat examinations permitted:</b>	<b>Recommended semester:</b>	
twice	from 1	
<b>Maximum number of students:</b>		

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**Additional notes and regulations:**

The students get a confirmation letter about successful participation in an international module held in English language.