

<b>Georg-August-Universität Göttingen</b> <b>Universität Kassel/Witzenhausen</b> <b>Module M.SIA.I02: Management of (sub-)tropical landuse systems</b>		6 C
<b>Learning outcome, core skills:</b> Enable students to understand the functioning and bio-physical limitations of (subtropical agro-pastoral land use systems, to argue for the need of interdisciplinary approaches to overcome these and to apply current research methods in land use systems analysis.		<b>C/Weekly lecture hours in total:</b> Attendance time: 28 h Self-study time: 152 h
<b>Course: Management of (sub-)tropical landuse systems</b> (Lecture, Block course) <i>Contents:</i> Kassel: Plant-animal interactions, diet selection and nutritional wisdom, impact of grazing on pastures; statistical approaches to measure and cope with short-distance variability in crop growth; measurement techniques for nutrient fluxes in different agro-ecosystems. Prague: Land-use management: farm and family income in different farming systems, soil conservation technologies for smallholder farming systems, conservation tillage systems, potential use of waste-stream products to enhance soil productivity in tropical peri-urban and rural areas, crop diversity in tropical agricultural systems.		
<b>Examination: Written exam (90 Minuten)</b>		
<b>Admission requirements:</b> none	<b>Recommended previous knowledge:</b> Knowledge in plant, soil and animal sciences	
<b>Language:</b> English	<b>Person responsible for module:</b> Prof. Dr. Andreas Bürkert	
<b>Course frequency:</b> WiSe 13/14, einmal in 2 Jahren, alternierend mit Modul I07; Witzenhausen	<b>Duration:</b> 1 Semester[s]	
<b>Number of repeat examinations permitted:</b> twice	<b>Recommended semester:</b>	
<b>Maximum number of students:</b> 25		
<b>Additional notes and regulations:</b> <b>Literature:</b> Altieri, M. 1995: Agroecology, Westview Press, USA; Martius, C. 2002: Managing Organic Matter in Tropical Soils: Scope and Limitations. Kluwer Academic Publishers; Van Soest, P. 1994: Nutritional ecology of the ruminant. Cornell University Press, London, UK; Provenza, F.D. 1995: Post-ingestive feedback as an elementary determinant of food preference and intake in ruminants. Journal of Range Management, 48: 2-17.		