

P10 Tropical Agro-Ecosystem Functions

Module	Tropical Agro-Ecosystem Functions							
Code	P10							
Coordinator	Dr. R. F. Kühne							
Language	English							
Stud. Workload	180h (56h contact time)							
Credits	6 ECTS							
Frequency (WS/SS)	SS							
Instructor	Dr. R. F. Kühne							
Contents	Introduction to and overview of agronomy-based land use systems in the tropics and subtropics taking into account ecological points of view. Analysis of the sustainability of plant production under special consideration of the physical, chemical and biological soil quality as well as the efficient water use in the seasonal tropics.							
Objectives	Knowledge of the processes of soil degradation as well as of the measures for their control or prevention in selected land use systems of the tropics and subtropics; knowledge of ecological system functions and their synthesis in agronomic concepts for the adaptation to unfavourable climatic and pedological conditions in the tropics and subtropics.							
Literature	Lecture notes and handouts, selected chapters from textbooks; copies of PowerPoint presentations							
Study system usability	Economy		Organic			Tropical		
	-		E			M		
Entrance requirements	Basic knowledge (B.Sc. level) of soil and plant sciences							
Instruction type	Lecture		Seminar	Excursion	Practice	Tutorial	Project	
Duration [contact h]	50		6					
Examination type	Oral test	Written test	Homework	Sem. speech	Protocol	Work report	Proj. report	Proj.pres.
	x			x				
Grade composition	50% sem. speech, 50% oral test							