

## P19M Plant propagation techniques and ecophysiology in the tropics

Module	Plant propagation techniques and ecophysiology in the tropics							
Code	P19M							
Coordinator	Prof. Dr. A.M. Whitbread							
Language	English							
Stud. Workload	180 h (56h contact time)							
Credits	6 ECTS							
Frequency (WS/SS)	SS							
Instructors	Prof. Dr. A.M. Whitbread, Dr. R. F. Kühne							
Contents	Basics of and practical exercises on vegetative and generative multiplication techniques in the greenhouse of the department, introduction to statistical experimental design and analyses of greenhouse experiments, theory and practise of ecophysiological measurements of water status as well as gas change/photosynthesis rates of tropical crop plants.							
Objectives	Knowledge of the botanical, ecological and agronomic facts of the introduced crop plants and multiplication techniques, scientifically correct interpretation and discussion of results from a greenhouse experiment, limitations and potentials of the interpretation of measuring procedures for the description of physiological state variables in tropical crop plants.							
Literature	Copies of PowerPoint presentations, selected chapters from textbooks							
Study system usability	Economy		Organic			Tropical		
			E			M		
Entrance requirements	Basic knowledge (B.Sc. level) of plant sciences; pass in the module "Crops and production systems in the tropics"							
Instruction type	Lecture		Seminar		Excursion	Practice	Tutorial	Project
Duration [contact h]	12		4			40		
Examination type	Oral test	Written test	Homework	Sem. speech	Protocol	Work report	Proj. report	Proj. pres.
				x		x		
Grade composition	50% seminar speech, 50% work report							