Georg-August-University Göttingen

MasterProgram "Crop Protection"

Dr. M. Alhussein

Modul M.Cp.0008 "Fungal Toxins"

Contents, Objectives		C/H PER SW
		6 C/4 H PER SW
Contents: The most important mycotoxins will be presented and described, concepts to determine the toxicity and procedures to develop legal maximum values will be discussed, and the risk for consumers and animals will be judged. The ecological importance of mycotoxins will be discussed, methods of mycotoxin identification will be explained and methods to reduce the mycotoxin contents of		Workload: 180 h
		Contact time: 56 h
plant products will be presented. Selected phytoalexins and phytohormons playing a role as a factor of virulence or pathogenecity in plant diseases will be introduced. In the practical students will process plant material and use different methods for analysis of mycotoxins.		Self study time: 124 h
Objectives: Students will realize the importary produced by fungi in plant production. They significance of natural toxins and anthropogo different food contaminations according to In the laboratory students will acquire practimethods, so they will be able to select the contaminations.	will be able to compare and rate the genic substances and to classify their toxicology tical knowledge of chemical- analytical	
Type of instruction and examination		
Lecture, laboratory practical		
Examination: Written exam 60 minutes		
Type of module	Entrance requirements	
Elective module	none	
Frequency	Duration	
Winter	One semester	
Language	Number of students	
English	12	
Coordinator		