

Georg-August-University Göttingen

Master Program „Crop Protection“

Modul M.Agr. 0009 „Biological Control and Biodiversity“

<b>Contents, Objectives</b>		<b>C/H PER SW</b>
<p><b>Contents:</b> Biological control of pests and weeds. The main antagonists and their importance in biological control are discussed. Theory and practice of different biological control methods are presented. Steps of a classical biological or inundative control are explained and illustrated by practical examples of biological control projects. Biodiversity and the contribution of an ecosystem to the agro-ecosystem, plant-herbivore-predator interactions and the principles of population dynamics are presented. In the seminar students will give a presentation on recent research results, which will be discussed in context with the topics of in the lecture.</p> <p><b>Objectives:</b> Students gain an understanding of what biological control is and how it can be used effectively as part of an IPM system and how biodiversity contributes to the control of pest populations and other ecosystem services.</p>		6 C/4 H PER SW Workload : 180 h Contact time: 56 h Self study time: 124 h
<b>Type of instruction and examination</b>		
Lecture 38 h , seminar 18 h		
Examination: Written test ca. 45 min., seminar presentation 20 minutes		
Grade composition: Written Test 67%, presentation 33%		
<b>Type of module</b>	<b>Entrance requirements</b>	
Elective module	none	
<b>Frequency</b>	<b>Duration</b>	
Winter	One semester	
<b>Language</b>	<b>Number of students</b>	
English	12	
<b>Coordinators</b>		
Prof. Dr.M. Rostas		