

<b>Georg-August-Universität Göttingen</b>		6 C 4 WLH
<b>Module B.MES.1206: Intraspecific diversity of plants</b>		
<b>Learning outcome, core skills:</b> Students will learn to investigate the dynamics of intraspecific diversity in different types of ecosystems. This involves field sampling of important plants, DNA extraction from different tissues, laboratory analyses with various types of molecular markers, data analyses and interpretation. Students will learn practical steps to assess genetic diversity, and will be able to evaluate the use of DNA-based methods for applications in breeding, conservation, and ecosystem management.		<b>Workload:</b> Attendance time: 56 h Self-study time: 124 h
<b>Course: B.MES.1206.Lec Intraspecific diversity of plants (Lecture)</b>		1 WLH
<b>Course: B.MES.1206.C DNA based methods to study biodiversity (Workshops, laboratory exercise)</b>		3 WLH
<b>Examination: Term paper (20 pages max.)</b> B.MES.1206.Mp: Intraspecific diversity of plants		6 C
<b>Examination requirements:</b> DNA markers and techniques, estimation of intraspecific diversity in different types of ecosystems, methods used for experimental sampling, DNA extraction from different tissues, laboratory techniques, data analyses and interpretation and application of results.		
<b>Admission requirements:</b> B.MES.1103, B.MES.1104	<b>Recommended previous knowledge:</b> none	
<b>Language:</b> English	<b>Person responsible for module:</b> Prof. Dr. Konstantin V. Krutovsky	
<b>Course frequency:</b> each summer semester	<b>Duration:</b> 1 semester[s]	
<b>Number of repeat examinations permitted:</b> cf. examination regulations	<b>Recommended semester:</b> 4	
<b>Maximum number of students:</b> 25		