

Georg-August-Universität Göttingen Module B.MES.103: Ecological genetics		6 C 4 WLH
Learning outcome, core skills: Understanding of the importance of intraspecific (genetic) variation for ecosystem processes and functions, in particular <ul style="list-style-type: none"> • knowledge of modern methods to assess genetic diversity in diverse groups of organisms • understanding of the role of the evolutionary factors to shape genetic diversity with emphasis on selection • understanding of evolutionary processes including adaptation under natural conditions and in managed ecosystems • understanding of the impact of global change on genetic resources 		Workload: Attendance time: 56 h Self-study time: 124 h
Courses: 1. Ecological genetics (Lecture) 2. Assessment of genetic variation (Laboratory course, workshops)		2 WLH 2 WLH
Examination: Oral examination (approx. 20 minutes)		
Examination requirements: Use of modern methods to assess genetic variation in diverse groups of organisms, evolutionary factors and how they shape genetic diversity, the role of adaptation under natural or managed conditions, impact of global change.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: N. N.	
Course frequency: each winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: cf. examination regulations	Recommended semester: 1	
Maximum number of students: 25		