

Georg-August-Universität Göttingen Module M.Biodiv.401: Biodiversity	12 C 16 WLH
Learning outcome, core skills: <ul style="list-style-type: none"> • Comprehensive knowledge of indigenous fauna and flora; • Knowledge of living conditions of indigenous animal and plant species in their specific ecosystems and their endangering potential; • Practice in species and ecosystems knowledge by participation in one-day botanical and zoological field trips in the landscape near Göttingen; • Knowledge of non-Central European fauna and flora of natural and cultural landscapes by participation in an extended (two weeks) botanical or zoological field trip. Core skills <ul style="list-style-type: none"> • Identification and knowledge of animal and plant species; • Knowledge of ecology and biology of animal and plant species; • Scientific ecological understanding of biodiversity and its multiple functioning in ecosystems, particularly Central European ecosystems. • Evaluation of the endangering potential of endangered animal and plant species. 	Workload: Attendance time: 224 h Self-study time: 136 h
Course: M.Biodiv.401.LV-1 M.Biodiv.401.1 Identification practice <i>Contents:</i> One identification practice from the following options: <ul style="list-style-type: none"> • Practice in pollen analysis (401.1a) <i>or</i> • Identification of hymenoptera (401.1b) <i>or</i> • Identification of grasses and grass-like plants (401.1c) <i>or</i> • Biology and ecology of diptera (401.1d) <i>or</i> • Biodiversity and ecology of indigenous avifauna (401.1e) <i>or</i> • Identification of mosses and lichens (401.1f) <i>or</i> • Moth diversity and ecology (401.1h) <i>or</i> • Equivalent practice in identification and biodiversity of other groups of plant and animal species (401.1g) <i>Course frequency:</i> 401.1a,f each winter; 401.1b every second winter; 401.1c,d,e,h each summer	5 WLH
Course: M.Biodiv.401.Exk M.Biodiv.401.3: Four one-day field trips for advanced students (two botanical and two zoological) <i>Course frequency:</i> each summer semester	4 WLH
Course: M.Biodiv.401.LV-2 M.Biodiv.401.4: One extended botanical or zoological field trip for advanced students	7 WLH
Examination: Protocol (max. 12 p.) and/or oral presentation (ca. 20 min.) for M.Biodiv.401.4, not graded M.Biodiv.401.Mp: Biodiversität	12 C

Examination prerequisites: Successful participation in one practice course (401.1) and in the one-day field trips (401.3)	
Examination requirements: <ul style="list-style-type: none"> • Profound knowledge of indigenous fauna and flora; • Expertise in identification of animal and plant species; • Knowledge of important ecological groups of animals and plants in Central European ecosystems; • Knowledge of the endangering potential of plant and animal species. 	
Admission requirements: none	Recommended previous knowledge: none
Language: English, German	Person responsible for module: PD Dr. Dirk Gansert
Course frequency: each semester	Duration: 2 semester[s]
Number of repeat examinations permitted: twice	Recommended semester:
Maximum number of students: 15	