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| Georg-August-Universität Göttingen | | 8 C 8 WLH |
| Module M.Biodiv.400: Species identification and natural history | | |
| <p>Learning outcome, core skills:</p> <p>In 400.1, we provide the students with a toolbox to identify species from various taxonomic groups. We cover natural history, taxonomy and ecology, illustrate key ID characteristics of genera and species and introduce the participants to survey and – where applicable – collection and preservation methods. Identification courses with fieldwork components and the four one-day field trips allow the students to familiarize with the habitats of the species covered, in the cultural landscapes and forests of Göttingen and the surroundings.</p> <p>At the end of the course the participants will be able to identify a large proportion of the taxa covered, both in the field and in collections. They will be familiar with important survey methods and advanced tools such as AI-aided online identification. They will be able to find and survey species in their natural habitats.</p> | | <p>Workload:</p> <p>Attendance time: 112 h</p> <p>Self-study time: 128 h</p> |
| <p>Course: M.Biodiv.400.LV1 M.Biodiv.400.1 Species identification and natural history (Course)</p> <p>One of the following courses:</p> <ul style="list-style-type: none"> • Pollen analysis (400.1a) • Identification, diversity and ecology of mosses and lichens (400.1b) • Identification, diversity and ecology of grasses (400.1c) • Identification, diversity and ecology of birds (400.1d) • Identification, diversity and ecology of moths (400.1e) • Identification, diversity and ecology of <i>Hymenoptera</i> (400.1f) • Identification, diversity and ecology of <i>Diptera</i> (400.1g) • Identification, diversity and ecology of other taxa depending on the availability of course facilitators (400.1h). | | 6 WLH |
| <p>Examination: Written protocol of the species identification course (max. 10000 words)</p> <p>M.Biodiv.400.Mp: Species identification and natural history</p> | | 8 C |
| <p>Course: M.Biodiv.400.LV2 Four one-day field trips</p> <ul style="list-style-type: none"> • Two zoological one-day field trips (401.2a) • Two botanical and vegetation-ecological one-day field trips (401.2b) | | 2 WLH |
| <p>Examination requirements:</p> <p>Participants will need to be familiar with key identification features and will need to understand how to use field guides, taxonomic keys and online AI tools for identification. They will need to be familiar with the natural history, ecology and habitats of the species covered.</p> | | |
| <p>Admission requirements:</p> <p>none</p> | <p>Recommended previous knowledge:</p> <p>none</p> | |
| <p>Language:</p> | <p>Person responsible for module:</p> | |

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| English, German | Prof. Dr. Johannes Kamp |
| Course frequency: Each winter or summer semester | Duration: 1-2 semester[s] |
| Number of repeat examinations permitted: twice | Recommended semester: from 1 |
| Maximum number of students: 20 | |