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| Georg-August-Universität Göttingen | | 6 C |
| Module M.iPAB.0006: Breeding informatics | | 4 WLH |
| Learning outcome, core skills: Students acquire their knowledge of informatics methods to evaluate large datasets for breeding issues. | | Workload: Attendance time: 56 h Self-study time: 124 h |
| Course: Breeding informatics (Lecture, Exercise) <i>Contents:</i> <ul style="list-style-type: none"> • Basics of Linux operating system • Basic data structures • Programming in R • Regular expressions • Design and implementation of pipelines for data analysis • Shell scripts on Linux (gawk, sed) • Relation of genotype - phenotype • Basic concepts of bioinformatics | | 4 WLH |
| Examination: Written examination (90 minutes) Examination requirements: Profound knowledge of informatics methods to evaluate large datasets for breeding issues. | | 6 C |
| Admission requirements: none | Recommended previous knowledge: Basic knowledge of molecular genetics, statistics, programming | |
| Language: English | Person responsible for module: Prof. Dr. Armin Schmitt | |
| Course frequency: each summer semester | Duration: 1 semester[s] | |
| Number of repeat examinations permitted: twice | Recommended semester: | |
| Maximum number of students: 20 | | |