Data Processing in Plant Sciences

Module coordinator
holder of the Chair of Plant Physiology and Biophysics

Module offered by
Faculty of Biology

ECTS
2

Method of grading
numerical grade

Duration
1 semester

Module level
undergraduate

Other prerequisites
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Contents
This course will equip students with fundamental skills in the processing of data that was collected in the context of research in plant sciences. Using specific software (e.g., Excel, Statistica, SigmaPlot), students will practice fundamental methods of descriptive and inferential statistics. Suitable methods of data analysis will be presented and selected. The course will explain what sample size is appropriate for statistical analysis and what methods are appropriate for specific problems. The data will then be represented graphically and discussed.

Intended learning outcomes
Students have developed essential skills in statistical methods that enable them to plan and analyse scientific experiments. They are able to select suitable software for processing the data obtained and to use this to develop conclusive scientific arguments. Students are also able to graphically represent their findings.

Courses
V + Ü (no information on SWS (weekly contact hours) and course language available)

Method of assessment
practice work (approx. 45 minutes) and presentation (approx. 15 minutes)

Allocation of places
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Additional information
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Referred to in LPO I (examination regulations for teaching-degree programmes)
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Module appears in
Bachelor’s degree (1 major) Biology (2007)