

Module title		Abbreviation
Data Processing in Plant Sciences		07-SQF-DBP-092-m01
Module coordinator		Module offered by
holder of the Chair of Plant Physiology and Biophysics		Faculty of Biology
ECTS	Method of grading	Only after succ. compl. of module(s)
2	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
<p>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 practise 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.</p>		
Intended learning outcomes		
<p>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.</p>		
Courses (type, number of weekly contact hours, language – if other than German)		
V + Ü (no information on SWS (weekly contact hours) and course language available)		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
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' degree (1 major) Biology (2007)		