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

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.

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 (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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Workload

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Teaching cycle

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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)