

<b>Module title</b>		<b>Abbreviation</b>
Statistics for Students of natural sciences and biomedicine		10-M-STAB-152-m01
<b>Module coordinator</b>		<b>Module offered by</b>
Dean of Studies Mathematik (Mathematics)		Institute of Mathematics
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
Basics of descriptive statistics, important discrete and continuous probability distributions, basic procedures of inferential statistics: selected confidence intervals, parametric and nonparametric tests.		
<b>Intended learning outcomes</b>		
After finishing the course, students will be able to utilise basic statistical methods for the evaluation of data and to interpret the results. They will know the principles behind applied statistical methods and will be able to take a critical look at the statistical procedures which are available. By presenting solutions of exercises, students will improve their communication skills and learn to justify their solutions using logical arguments.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
V (2) + Ü (2)		
<b>Method of assessment</b> (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
written examination (90 to 120 minutes)		
<b>Allocation of places</b>		
--		
<b>Additional information</b>		
--		
<b>Workload</b>		
150 h		
<b>Teaching cycle</b>		
--		
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
--		
<b>Module appears in</b>		
Bachelor' degree (1 major) Biomedicine (2015) Bachelor' degree (1 major) Biomedicine (2018) Bachelor' degree (1 major) Biomedicine (2020) exchange program Mathematics (2023)		