

<b>Georg-August-Universität Göttingen</b>		6 C 4 WLH
<b>Module B.MES-SK.1108: Computer science and mathematics</b>		
<b>Learning outcome, core skills:</b> Understanding of basic notions and methods of computer science and mathematics, including: representation of information, databases, the World Wide Web, foundations of programming, simulation, visualization; notations from logic and set theory, relations, graphs, functions, differentiation, extreme values, integration; vectors, linear transformations, matrices, eigenvalues; scale levels of variables, measures of location, dispersion and correlation, linear regression, probability, sampling, confidence intervals, fundamentals about statistical testing.		<b>Workload:</b> Attendance time: 56 h Self-study time: 124 h
<b>Course: B.MES-SK.1108.C Computer science and mathematics (Lecture, Exercise)</b>		4 WLH
<b>Examination: Written exam (90 minutes)</b> B.MES-SK.1108.Mp: Computer sciences and mathematics		6 C
<b>Examination requirements:</b> Understanding of basic notions and methods of computer science and mathematics, including: databases, WWW, foundations of programming, simulation, visualization; graphs, functions, differentiation, extreme values, integration; vectors, linear algebra; descriptive statistics, linear regression, probability, sampling, simple tests.		
<b>Admission requirements:</b> none	<b>Recommended previous knowledge:</b> none	
<b>Language:</b> English	<b>Person responsible for module:</b> Prof. Dr. Winfried Kurth	
<b>Course frequency:</b> each summer semester	<b>Duration:</b> 1 semester[s]	
<b>Number of repeat examinations permitted:</b> cf. examination regulations	<b>Recommended semester:</b> 2	
<b>Maximum number of students:</b> 25		