Mathematics 2						
Number IBW 2.1		Workload 150 hrs	Credits 5 ECTS	Semester 2nd	When offered Winter/summer	Duration 1 semester
1	Course	work (hrs/week) Cont	act hours	semesters Self-study	Language
•	a) Seminars: 3 b) Exercises: 1		·	eek = 72 hrs	78 hrs	German/English
2	Learning outcomes Students will be able to articulate the different ways of using classic mathematical disciplines in business and financial situations and for problem-solving. They will be able to differentiate the tools of business mathematics and use the production theory of managerial economics. Students will also be able to apply the methodologies learned to the many tasks involved in business planning, budgeting and decision-making.					
3	 Course content Functions of many variables Differential calculus of multivariable functions and multivariable optimization Production functions: theory and applications" Homogeneous functions and elasticity Principles of integral calculus Matrix and vector algebra Systems of linear equations Linear optimization 					
4	Teaching methods Interactive seminar-like instruction, exercises, and case studies					
6	Course prerequisites Formal: None Recommended: Module IBW 1.1 (Mathematics 1) Type of examination Written					
7	Requirements for the award of credit hours Passing grade on module examination					

Course share of final grade: 5 / 175 (= 2.86%)