



Subject	Business Mathematics and Statistics
Course:	Business Mathematics
Professor in charge:	Oded Löwenbein
Target group:	First Semester Students
Lectures:	4 class contact hours per week
Aims:	Learning and training of mathematical tools for decision support in business
Contents:	Financial Mathematics (Rent, Deprivation) Calculus (Differentiating Rules, Elasticities, Cournot, Partial Derivation, Lagrange) Linear Algebra (Matrix Calculation, Input-Output-Analysis, Simplex-Analysis)
Methods:	Interactive Presentation of Topic, Training of new Tools in Groupwork
Examination:	In Class Tests (10 Minutes) Final Exam (60 Minutes)
Literature	Ohse, D. 1998: Mathematik für Wirtschaftswissenschaftler I, München, 3-8006-2207-6
Language:	German
Case Studies:	Small Actual Cases from the Business Environment