Department: 10 Business Administration

Course title: Discrete Structures

Hours per week (SWS): 4

Number of ECTS credits: 5

Course objective: From selected examples in the field of discrete structures, students learn to understand and solve practical problems through mathematical modeling. The need is conveyed for an interplay of mathematical skills and an understanding of business administration. With many practical examples, students develop a good analytical understanding of the application of the relevant mathematical methods.

Prerequisites

Recommended reading: to be announced during the course

Teaching methods: • Lectures • Self-directed learning • Presentation and communication • Group work based on practical examples

Assessment methods: term paper

Language of instruction: English

Name of lecturer: Dipl.-Math. Helge Röpcke

Email: helge.roepcke@hm.edu

Link

Course content: The content is variable, and may include among other things:
• Basic principles and applications of graph theory
• Combinatorial optimization
• Discrete linear optimization
• Basic principles and applications of network optimization

Remarks