COURSE DETAIL

QUANTITATIVE BUSINESS
Country Netherlands
Host Institution Maastricht University - School of Business and Economics
Program(s) Business and Economics, Maastricht
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Economics Business Administration
UCEAP Course Number 139
UCEAP Course Suffix
UCEAP Official Title QUANTITATIVE BUSINESS
UCEAP Transcript Title QUANTITATIV BUSINES
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
In this course students actively apply the mathematical and statistical tools introduced in first year quantitative methods courses. The mathematics of this course cover several applications of first-year mathematical tools in business economics, including: investment under uncertainty, the CAPM-model, industrial organization, and game theory. The purpose is twofold: to repeat and extend the first-year methods; and to show how they are applied and to get acquainted with some basic quantitative business models. In the statistics part of the course, students apply and extend the inferential tools discussed in the first year: the one-sample t-test, the independent-samples t-test, the paired sample t-test, one-way-ANOVA, the chi-square test, and regression analysis. The course introduces new techniques, including non-parametric tests, logistic regression, and factor analysis. The course examines case studies using real-life datasets that reflect business problems from marketing and finance. Students perform empirical analyses with SPSS, a statistical software package widely used in professional practice.

Language(s) of Instruction
English

Host Institution Course Number
EBC2025

Host Institution Course Title
QUANTITATIVE BUSINESS

Host Institution Course Details
http://code.unimaas.nl/Code/Display?intCalendarID=26&intBAMA=3&SearchString=EBC...

Host Institution Campus
Maastricht University

Host Institution Faculty

Host Institution Degree

Host Institution Department

School of Business and Economics

Course Last Reviewed
2020-2021

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