COURSE DETAIL

DECISION SUPPORT SYSTEMS AND BUSINESS MODELING
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) Business Administration
UCEAP Course Number 108
UCEAP Course Suffix
UCEAP Official Title DECISION SUPPORT SYSTEMS AND BUSINESS MODELING
UCEAP Transcript Title DECISION SYSTEMS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

A decision support system (DSS) is a model-based or knowledge-based system intended to support managerial decision-making in semi-structured or unstructured situations. A DSS is not meant to replace a decision-maker, but to extend his/her decision-making capabilities. It uses data, provides a clear user interface, and can incorporate the decision-maker's own insights. This course reviews decision support systems, their use, and important components which leads to a group designed and developed DSS that facilitates decision-making through specific selection criteria and constraints. Students learn how to code in the programming language Excel VBA, develop and improve skills in algorithmic thinking, create userforms, and use tools provided by the toolbox. Essential programming techniques and constructs such as loops, subs, functions and macros are taught. Prerequisites for the course include a basic mastery of Excel, or an alternative spreadsheet application: cell referencing, building formulas, and use of logical functions. This does not require mastery of VBA for Excel, training in VBA programming is part of the course.

Language(s) of Instruction
English

Host Institution Course Number
EBC2088

Host Institution Course Title
DECISION SUPPORT SYSTEMS AND BUSINESS MODELLING

Host Institution Course Details
http://code.unimaas.nl/Code/Display?intCalendarID=22&intBAMA=1&SearchString=EBC...

Host Institution Campus
Maastricht University

Host Institution Faculty
School of Business and Economics

Host Institution Degree
Host Institution Department
Course Last Reviewed 2023-2024

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