COURSE DETAIL

THE APPLICATION OF FINANCIAL MODELING
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Business Administration
UCEAP Course Number 109
UCEAP Course Suffix
UCEAP Official Title THE APPLICATION OF FINANCIAL MODELING
UCEAP Transcript Title FINANCIAL MODELING
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

Spreadsheets can be used for more than just creating tables and charts and summarizing data. Instead of just storing, summarizing, and formatting data, a financial model is used for analysis. Spreadsheets are now commonly used for creating complex mathematical models. This course explains how to build financial models in Excel by providing instructions, not templates. Students learn to develop value-added skills in spreadsheet modeling of financial applications. Course topics include: time value of money; financial ratio analysis; capital budgeting; sensitivity analysis; scenario analysis; statistics analysis and matrix operation; two-asset portfolio analysis; 3-asset portfolio analysis: matrix and VBA; optimal capital structure; dividends policy; interest rate models; bond pricing and risk management; option pricing: Black-Scholes model; option pricing: Binominal model; option trading strategy; and pivot tables . Excel functions and tools, such as Data Table, Goal seeker, Solver are used intensively. Programming a VBA macro is an important task in this course.

Language(s) of Instruction
English

Host Institution Course Number
Fin3024

Host Institution Course Title
THE APPLICATION OF FINANCIAL MODELING

Host Institution Course Details
http://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=703%2015000&cl...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Finance

Course Last Reviewed
2022-2023

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