COURSE DETAIL

FINANCIAL MODELING
Country Brazil
Host Institution Pontifical Catholic University of Rio de Janeiro
Program(s) Pontifical Catholic University of Rio de Janeiro
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Business Administration
UCEAP Course Number 143
UCEAP Course Suffix
UCEAP Official Title FINANCIAL MODELING
UCEAP Transcript Title FIN MODELING
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course introduces basic concepts in Financial Modeling and Business Analytics that are typically implemented in spreadsheet models and shows how data can be used to solve business problems. The course discusses methods that are used extensively in business organizations to solve large, structured problems. Such methods generate results that support decision-making at all levels of the organization over various time horizons. This course carries the Quantitative Reasoning flag, which are courses designed to equip students with skills that are necessary for understanding the types of quantitative arguments regularly encountered in professional life. Students should therefore expect a substantial portion of the grade to come from use of quantitative skills to analyze real-world problems. This course includes the use of Excel and R to estimate financial models and variables, such as NPV and IRR, WACC, FCF, assets Beta and return, efficient frontier, CAPM, SML, variance and covariance matrixes, and options pricing. Students use basic operations in R, scripts, data manipulation, and programming using R.

Language(s) of Instruction
English

Host Institution Course Number
ADM 9970

Host Institution Course Title
FINANCIAL MODELING

Host Institution Course Details
https://www.puc-rio.br/ferramentas/ementas/ementa.aspx?cd=ADM9970

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Business Administration

Course Last Reviewed
2024-2025

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