COURSE DETAIL

FINANCIAL MATHEMATICS
Country United Kingdom - Scotland
Host Institution University of Edinburgh
Program(s) University of Edinburgh
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 119
UCEAP Course Suffix
UCEAP Official Title FINANCIAL MATHEMATICS
UCEAP Transcript Title FINANCIAL MATH
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description

This course is an introduction to finance. It starts by introducing the value of money, interest rates, and financial contracts, in particular, what are fair prices for contracts and why no one uses fair prices in real life. Then, there is a review of probability theory followed by an introduction to financial markets in discrete time. In discrete time, students learn how the ideas of fair pricing apply to price contracts commonly found in stock exchanges. The next block focuses on continuous time finance and contains an introduction to the basic ideas of Stochastic calculus.

Language(s) of Instruction
English

Host Institution Course Number
MATH10003

Host Institution Course Title
FINANCIAL MATHEMATICS

Host Institution Course Details
http://www.drps.ed.ac.uk/17-18/dpt/cxmath10003.htm

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2023-2024

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