

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

[Print](#)