COURSE DETAIL

FINANCIAL ECONOMICS

Country
Hong Kong

Host Institution
University of Hong Kong

Program(s)
University of Hong Kong

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Statistics Economics

UCEAP Course Number
128

UCEAP Course Suffix
A

UCEAP Official Title
FINANCIAL ECONOMICS

UCEAP Transcript Title
FINANCIAL ECONOMICS

UCEAP Quarter Units
5.00

UCEAP Semester Units

3.30

Course Description

This course examines option pricing and hedging. It will concentrate on the theory and idea of derivatives pricing and risk management. Topics include option market; European and American options; conditional expectation and discrete-time martingale, discrete-time option pricing theory; true probabilities vs. risk-neutral probabilities; estimating volatility; the Black-Scholes formula; implied volatility; option Greeks; market-making and hedging; and exotic options.

Language(s) of Instruction
English

Host Institution Course Number
STAT3910

Host Institution Course Title
FINANCIAL ECONOMICS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Statistics & Actuarial Science

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