

COURSE DETAIL

INTRODUCTION TO OPTIONS AND FUTURES

Country

Italy

Host Institution

University of Commerce Luigi Bocconi

Program(s)

Bocconi University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Economics Business Administration

UCEAP Course Number

114

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO OPTIONS AND FUTURES

UCEAP Transcript Title

OPTIONS & FUTURES

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces the main kinds of derivatives, with an emphasis on pricing and hedging issues, and on how investors and corporations can use these instruments in practice. The main contents of the course are: introduction to financial derivatives; forwards, futures, and swaps (institutional aspects, pricing, hedging); options (institutional aspects, pricing, hedging); and basics of credit risk and credit derivatives.

Prerequisites: a solid understanding of financial economics; familiarity with the mathematics of interest rates (discounting/compounding, equivalence of rates at different maturities), with basic statistics (expected values, standard deviation and variance, ordinary least squares), and calculus (limits, differentials, differentiation, Taylor expansions, partial differentiation, optimization, basic integration).

Language(s) of Instruction

English

Host Institution Course Number

30150

Host Institution Course Title

INTRODUCTION TO OPTIONS AND FUTURES

Host Institution Campus

University of Commerce Luigi Bocconi

Host Institution Faculty

Host Institution Degree

Host Institution Department

Finance

[Print](#)