

COURSE DETAIL

PYTHON PROGRAMMING FOR ECONOMICS, MANAGEMENT, AND FINANCE

Country

Italy

Host Institution

University of Commerce Luigi Bocconi

Program(s)

Bocconi University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics Computer Science

UCEAP Course Number

115

UCEAP Course Suffix**UCEAP Official Title**

PYTHON PROGRAMMING FOR ECONOMICS, MANAGEMENT, AND FINANCE

UCEAP Transcript Title

PYTHON PRGMING:ECON

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course offers students an introduction to object-oriented and procedural programming, using Python. Most models and examples are taken from Economics, Management, and Finance. The course discusses topics including primitive types and class types; recursion and functions such as procedures and fruitful functions; basic statements such as assignment, if-statements, loops, blocks, and function calls; objects and classes including subclasses, inheritance, and overriding; sequences and dictionaries; testing and debugging; program development, stepwise refinement (top-down design), and object-oriented design; databases; examples of full featured applications; and programming style considerations. The course consists of lectures, exercises, case studies, and individual and group assignments. The course requires students to have completed an introductory course on programming as a prerequisite.

Language(s) of Instruction

English

Host Institution Course Number

30517

Host Institution Course Title

PYTHON PROGRAMMING FOR ECONOMICS, MANAGEMENT AND FINANCE

Host Institution Campus

University of Commerce Luigi Bocconi

Host Institution Faculty

Host Institution Degree

Host Institution Department

Decision Sciences

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