

## 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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