

# COURSE DETAIL

## ADVANCED 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)**

Computer Science

**UCEAP Course Number**

133

**UCEAP Course Suffix****UCEAP Official Title**

ADVANCED PYTHON PROGRAMMING FOR ECONOMICS, MANAGEMENT, AND  
FINANCE

**UCEAP Transcript Title**

ADV PYTHON PROGRMNG

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

**Course Description**

This course provides an advanced understanding of the python programming language and its main features through various applications in many fields. Students use procedural and object-oriented programming language concepts in real programs; combine programming techniques to solve problems of varying degrees of difficulty in applied fields; find and understand programming language documentation to learn new information needed to solve programming problems; and implement problem solving strategies. Course topics include input/output in Python, classes, databases management with Python, computer simulations, and agent-based modeling. Prerequisites: an introductory course on python programming or similar language (e.g. Java, C, etc.).

**Language(s) of Instruction**

English

**Host Institution Course Number**

30590

**Host Institution Course Title**

ADVANCED PYTHON PROGRAMMING FOR ECONOMICS, MANAGEMENT AND FINANCE

**Host Institution Course Details**

[https://didattica.unibocconi.it/ts/tsn\\_anteprema.php?cod\\_ins=30590&anno=2024&ld...](https://didattica.unibocconi.it/ts/tsn_anteprema.php?cod_ins=30590&anno=2024&ld...)

**Host Institution Campus**

Bocconi University

**Host Institution Faculty****Host Institution Degree**

**Host Institution Department**

Computing Sciences

**Course Last Reviewed**

2023-2024

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