COURSE DETAIL

ADVANCED COMPUTER PROGRAMMING AND PYTHON

Country
Italy

Host Institution
University of Bologna

Program(s)
University of Bologna

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
172

UCEAP Course Suffix

UCEAP Official Title
ADVANCED COMPUTER PROGRAMMING AND PYTHON

UCEAP Transcript Title
ADV PC PRGM&PYTHON

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

This course is part of the Laurea Magistrale degree program and is intended for advanced level students. Enrollment is by permission of the instructor. In this course students learn advanced topics in the Python programming language. At the end of the course, students will be familiar with some of the most largely diffused Python's libraries and tools. More specifically, students will have acquired the knowledge of fundamental topics about i) optimization routines and ii) about the following libraries: NumPy (support to numerical calculus), SciPy (wide range of algorithms for optimization and many other classes of problems), Pandas (data analysis and manipulation tool), Statslib (tools for statistical and time series analysis).

Language(s) of Instruction
English

Host Institution Course Number
B2215,98735

Host Institution Course Title
ADVANCED COMPUTER PROGRAMMING AND PYTHON

Host Institution Course Details
https://www.unibo.it/en/study/phd-professional-masters-specialisation-schools-a...

Host Institution Campus
BOLOGNA

Host Institution Faculty

Host Institution Degree
LM in APPLIED ECONOMICS AND MARKETS

Host Institution Department
ECONOMICS

Course Last Reviewed

2024-2025

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