COURSE SYLLABUS

# Algorithmic Trading with Python

As people get busier and busier, we want to automate as much as we can day to day including our investments. Using Python, this class will teach you how to build robust and automated trading strategies without needing to spend hours a day overseeing your portfolio. Students learn how to connect their Python scripts with an online trading brokerage, how to place and query stock orders, and are introduced to Machine learning as it applies to properly value an Option.

> Group classes in NYC and onsite training is available for this course. For more information, email corporate@nobledesktop.com or visit: https://programwithus.com/classes/algorithmic-trading-python-nyc

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# Course Outline

## Trading Stocks using Python

- Connecting to a brokerage
- Setting Python connectivity with the broker
- Interactive brokers TDAmeritrade
- Placing orders
- Querying all available features by the broker

## Trading Strategies

## Algorithmic Trading using Python

- Building trading strategies from scratch
- EMA strategy
- MACD strategy
- Back-testing strategies
- Option valuation with Python
- Option strategies
- ML and algorithmic trading