

PYTHON DATA ANALYTICS & PREDICTION COURSE ANNOUNCEMENT – FALL 2016

CS 185C-04: Advanced Practical Computing Topics (Python Data Analytics & Prediction) Tue & Thur 7:30-8:45PM Room MH 422

COURSE TOPICS

- Introduction to
 - ✓ The data analysis process
 - ✓ Quantitative & qualitative data analysis
 - ✓ When data becomes information, and when information becomes knowledge
 - ✓ Machine learning and prediction
- Using Python, Pandas, numpy, scipy, and matplotlib to carry out data analysis and data visualization
- Using the scikit machine learning package along with Pandas, numpy, and scipy to make predictions
- Students completing the course will have a sound understanding of how Python can be used to carry out data analysis and to make predictions in life science and business intelligence contexts.

WHO SHOULD ENROLL?

Anyone who wants a solid introduction to using Python to analyze complex and large volumes of data, and to make predictions using machine learning.

HOW TO ENROLL

Current SJSU Students – Log in to your MySJSU account to search for the course number and section printed above.

Others – Go to the SJSU Open University web page (<http://ou.sjsu.edu>) and click on the link:
How to Register for an On-Site Class.

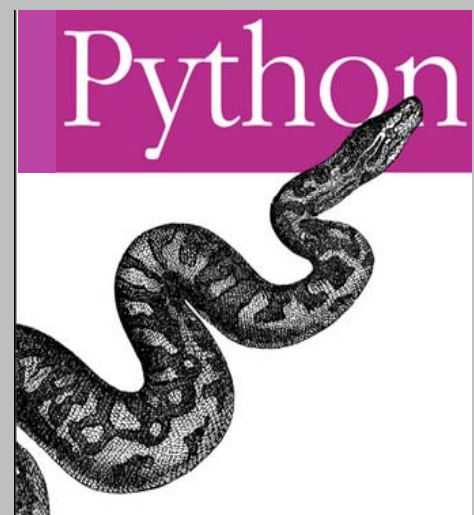
NOTE: Open Univ. Fall 2016 courses will be visible at the above URL no later than early August 2016.

PREREQUISITES

- Any intro Python programming course + knowledge of data structures. CS146 (Java) students should have equivalent intro Python knowledge.
- Instructor consent

PROPOSED TEXTBOOK

All course & reference material will be provided.



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