



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Advanced Python Development  
**Course Number:** CSE237

### Required Materials

**Textbook(s):** None  
**Required Readings:** None  
**Additional Materials:** None

### Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
Week 1	Lab 1 - Review of first python class
Week 2	Lab 2 - Tkinter menu tab and listbox lab
Week 3	Lab 3 - Database and python
Week 4	Lab 4 - Python and Excel
Week 5	Lab 5 - Kivy GUI Interface
Week 6	Lab 6 - Adv Kivy GUI interface
Week 7	Lab 7 - Accessing data with API
Week 8	Lab 8 - Visualizing data
Week 9	Lab 9 – Charts 1
Week 10	Lab 10 – Charts 2
Week 11	Lab 11 - Technical analysis on time series data moving averages
Week 12	Lab 12 - Technical analysis on time series data 2 moving averages crossover
Week 13	Lab 13 - Technical analysis on time series data Relative Strength Index
Week 14	Lab 14 - Technical analysis on time series data Advanced
Week 15	Lab 15 - Technical analysis on time series data recognizing patterns
Week 16	Lab 16 - Final project