CSI 31 LECTURE NOTES (Ojakian)

Topic 1: Introduction to Programming and Python

OUTLINE
(**References.** Goldwasser and Letscher; pages 5-7, 10-11
Sweigart: Ch. 1)

1. Programming Languages

2. Python

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1. Programming Languages

    (a) What is a **computer programming language**? Examples?

    (b) High-level versus low-level languages.

    (c) Compiled Languages versus Interpreted Languages.

    (d) Python: its characteristics? (high-level, interpreted)

2. Playing with Python

    (a) In a Jupyter Notebook (get ".ipynb" file)

        i. Code boxes and Markup boxes.

    (b) Just in text file (hit "IDLE" to start)

        i. Open text editor (File $--$> New File)
        ii. Write lines
        iii. Save (extension ".py" needed, but automatic)
        iv. Run (Run $--$> Run Module)

3. Class Assignment 1 = Homework 0