CLO 1: Explain fundamental programming constructs such as assignments, sequential

circumstances, one problem set per student might be accepted late. It will need to be handed in prior to the following class meeting and will be graded with 30% off. Such an extension should be requested from the instructor.

Term Project

There will be a programming group project. Each group consists of two students. Information on the term project, including topics and deadlines, will be given later. The term project is due on the 12th week of the semester. Each group will give a 10-minute, in-class presentation (5 minutes per student), during class time.

Midterm Exams

There will be two in-class midterm exams. The first midterm will be held in the 7th week of the semester. The second midterm will be in the 12th week of the semester. Success on the midterm exams will indicate a mastery of the associated materials. No make-up exams will be given unless proper documentation of an emergency is provided.

Final Examination

There will be a comprehensive final exam on a date and time to be determined.

University Credit Hour Requirement

Success in this course is based on the expectation that you will spend, for each unit of credit, a minimum of 45 hours over the length of the course (normally three hours per unit per week) for instruction, preparation, and studying. Plan on spending at least 7 hours per week outside of lecture time engaging with the course material.

Grading Information:

80 - 83	B-
77 - 79	C+
74 - 76	C
70 - 73	C-
67 - 69	D+
64-66	D
60-63	D-
59 and below	F

Grading Information for GE

For Fulfillment of Area B4: this course must be passed with a C- or better as a CSU graduation requirement.

Classroom Protocol

Students are expected to adhere to the Student Conduct Code found at http://www.sjsu.edu/studentconduct/ students/. Additionally, students should regularly attend lectures and labs (if applicable), treat instructors and peers with respect, and refrain from the use of cell phones during any classroom activities.

University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate Syllabus Information web page at: http://www.sjsu.edu/gup/syllabusinfo/

CS 22A Python Programming for Everyone, Fall 2022
Course Schedule

PSDS - Textbook: Practical Statistics for Data Scientists, **ULs** - Udacity Video Lessons, **HW** - Homework

Wk	Date	Reading/ Video Assignment	HW	Topics
1	8/23, 8/25			Syllabus, Course Expectations, Python Interpreter, Introduction to Google Colab
1	8/30, 9/1	ULs Intro. To Stat. Res. Methods	HW1 due	Introduction to Python Programming, Introduction to Statistical Research Process

3	9/6, 9/8	PSDS Ch.1 p.7-13,29 ULs Cent. Tend.		Dictionaries, Lists, and Sets Introduction to Pandas Dataframe and Series Central Tendency
4	9/13, 9/15	PSDS Ch.2 p.13-19 ULs Variab. & Stand.	HW2 due	Loops and Conditional Statement Measures of Variability and Standardized Scores
5	9/20, 9/22	PSDS Ch. 2 p.69-71 ULs Norm. Dist.		Normal Distribution Visualizing Data with Graphs
6	9/27, 9/29	PSDS Ch. 2 p.57-61 ULs Samp. Dist.	HW3 due	Sampling Distribution and Margin of Error
7	10/4, 10/06	PSDS Ch. 2 p.65-68 ULs Estm.		Writing User-Defined Functions Estimation (Confidence Intervals)
8	10/11, 10/13	PSDS Ch. 3 p.93-96 ULs Hypoth. Testing	HW4 due	Measures

due Measures1 0 0 1 319.38 367.63 Tm0 g0 G( )]TJET1 140.3 350

12	11/8, 11/10	PSDS Ch.1 p. 30-36 ULs Correl.		Correlation
13	11/15, 11/17	PSDS Ch.4 p. 141-145 ULs Regr.	HW6 due	Regression
14	11/22, 11/24 (No Class)	PSDS Ch.4 p. 146-150 ULs Regr.		Regression
15	11/29, 12/1	PSDS Ch.4 p. 124-127 ULs Sqrd tests	HW7 due	