San José State University
Computer Science Department
CS 22A: Pythrrr

Course Learning Outcomes (CLO)

Upon successful completion of this course, students will be able to:

1. CLO 1: Explain fundamental programming constructs such as assignments, sequential operations, iterations, conditionals, defining functions, and abstraction.
2. CLO 2: Analyze and explain the behavior of Python programs.
3. CLO 3: Apply fundamental programming constructs in life and physical science

Exam One: Monday, March 15, 2021
Exam Two: Monday, April 26, 2021
Exam One and Exam Two are each one hour and fifteen minutes long (entire class time). All exams are online during the class period and comprehensive. Make-up exams will be given only at the instructor's discretion. Note: If you fall behind, you will likely do poorly on the exams as well. Plan on attending office hours if falling behind.

5. **Final Exam (20%):** A cumulative final will be given online scheduled for Wednesday, May 19 12:15pm - 2:30pm

Grading Information

Grading calculation will be based on the following:

Hands-On Exercises (20%)
Five Homework Assignments (20%)
Term Project (20%)
Two Term Exams (20%)
Final Examination (20%)

Incomplete work: Points will be deducted for incomplete question responses and solutions that are partially functional. Consult individual assignments for details of point allocation for each problem.

Late assignments: No late homework will be accepted. However, under exceptional circumstances, one homework assignment 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. No late assignments will be accepted at the end of the semester for partial points or to increase grades so do your best to complete all assignments on time.

Makeup Exams: You must submit only your own work on exams. Makeup exams will only be given in cases of illness (documented by a doctor) or in cases of documentable, extrem increase grades so do yot

NO extra credit assignments will be given.

Classroom Protocol

> **Lecture Mode:** This is when class is used as a regular lecture room. Students are expected to listen and follow the lecture. Be considerate to your classmates and follow the lecture. Do not use the computer for outside-of-class activities.
> **Lab Mode:** This is when class is used as a computer lab. Use your laptop computers. Work collaboratively on problems of the Hands-On and share your ideas and solutions with your classmates.

Zoom Classroom Etiquette

      Mute Your Microphone: To help keep background noises to a minimum, make sure you

CS 22A: Python Programming for Non-Majors I, Section 01, Spring 2021

Course Schedule

The course schedule is subject to change with fair notice. Changes will be announced on Canvas.

Week	Date	Topics
1	01/27	Syllabus, Course Expectations, Python Interpreter and Python Coding Style Hands-On One and Book (MJ) Chapter One
2	02/01	MJ Chapter Two, Printing and Manipulating Text Hands-On Two
2	02/03	MJ Chapter Two, Printing and Manipulating Text Hands-On Three
3	02/08	MJ Chapter Two, Printing and Manipulating Text Hands-On Three
3	02/10	MJ Chapter Three, Reading and Writing Files Hands-On Four
4	02/15	MJ Chapter Three, Reading and Writing Files Hands-On Four
4	02/17	**Homework #1 due** MJ Chapter Four, Lists and Loops Hands-On Five
5	02/22	Homework #1 answers. MJ Chapter Four, Lists and Loops Hands-On Six
5	02/24	MJ Chapter Four, Lists and Loops Hands-On Six
6	03/01	MJ Chapter Five, Writing our own Function Hands-On Seven
6	03/03	MJ Chapter Five, Writing our own Function Hands-On Seven
7	03/08	**Homework #2 due** MJ Chapter Five, Writing our own Function Hands-On Eight
7	03/10	Homework #2 answers. Exam review
8	03/15	**Term Exam 1**
8	03/17	Project Information/Team Building

		Term Exam 1 answers. Hands-On Nine
9	03/22	Term Exam 1 answers. Hands-On Nine/Team Building cont.
9	03/24	**Project Team Formation** MJ Chapter Six, Conditional Tests, pages 129 – 139. Hands-On Ten
10	03/29	**Spring Break - No lecture**
10	03/31	**Spring Break - No lecture**
11	04/05	**Homework #3 due** MJ Chapter Six, Conditional Tests, pages 139 – 141 Hands-On Eleven
11	04/07	**Project Proposal Due** Homework #3 answers. MJ Chapter Seven, Conditional Tests, pages 142 – 143 Hands-On Twelve, Hands-On Thirteen
12	04/12	MJ Chapter Eight, Dictionaries, pages 179 – 193 Hands-On Fifteen
12	04/14	MJ Chapter Eight, Dictionaries, pages 179 – 193 [Continuation]. Hands-On Fifteen
13	04/19	**Homework #4 due**
13	04/21	Homework #4 answers Exam review
14	04/26	**Term Exam 2**
14	04/28	Term Exam 2 answers. MJ Chapter Eight, Dictionaries, page 194

Important dates:

Monday, February 08: Last day to drop courses without a "W" grade
Monday, February 15: Last day to add classes
Thursday, April 22: Last day to submit a late drop/withdrawal request & late enrollment petition