Course Syllabus Part II
CSD 325 Advanced Python
9-Week

Course Resources

Course Text:
20th Anniversary Edition, The Pragmatic Programmer, Thomas & Hunt, Pearson;2020

Required Resources:
Computer with internet access and file storage. Links to supplemental materials provided within weekly course descriptions.

Prerequisite:
CSD 200, CSD205 or CIS245

Course Schedule

Week	Module	Topics Covered	Readings	Assignments
1	1	Review Basics, GitHub Setup, Flowchart	Topics 1 – 5 Web articles	• Discussion 1.1 • Assignment 1.2 • Assignment 1.3
	2	Debugging	Topics 6 - 10 Web articles	• Discussion 2.1 • Assignment 2.2
2	3	Brownfield Development, Flowchart	Topics 11 - 15 Web articles	• Discussion 3.1 • Assignment 3.2
3	4	CSV Read, Matplotlib, Flowchart	Topics 16 - 20 Web articles	• Discussion 4.1 • Assignment 4.2
	5	Bext Cartesian Plane Flowchart	Topics 21 - 25 Web articles	• Discussion 5.1 • Assignment 5.2
4	6	Forest Fire Sim Flowchart	Topics 26 - 30 Web articles	• Discussion 6.1 • Assignment 6.2
5	7	Unittest Test Cases	Topics 31 - 36 Web articles	• Discussion 7.1 • Assignment 7.2
	8	JSON	Topics 37 - 40 Web articles	• Discussion 8.1 • Assignment 8.2
6	9	JSON APIs	Topics 41 - 44 Web articles	• Discussion 9.1 • Assignment 9.1
7	10	Tkinter:	Topics 45 - 48	• Discussion 10.1

		GUI Forms	Web articles	• Assignment 10.1 •
8	11	Django Introduction	Topics 49 - 53 Web articles	• Assignment 11.1 • Assignment 11.2
9	12	Wrap-Up	Reflect and Revise	• Discussion 12.1 • Assignment 12.2

Course Activities [Optional]
N/A

Grade Breakdown/Criteria

Grade component	Available points
12 Discussion Posts	50 pts. each, total of 600 pts.
12 Assignments	50 pts. each, total of 600 pts.
Total points possible	1,200 pts.

Late Work
Late work is not accepted unless arrangements are made with the instructor for special circumstances.

Participation
Students are expected to login often and contribute to the class on a regular basis, including posting to the discussion board, submitting assignments, and participating in group activities as required. If you have specific participation requirements related to your educational funding or student status, you are expected to monitor your own participation to ensure you are in compliance with those requirements.

Expectations for Students
- Students should expect to spend approximately 15 hours per week to complete the activities and assignments in this course.
- Students will log in as often as needed to complete their assignments and progress through the course.
- Students will treat their classmates and the instructor with respect and courtesy.
- Students are responsible for keeping current with the reading assignments and coming to class prepared to discuss the work assigned.
- Students are responsible for knowing what assignments are due and when.
- Students will submit only their own work and will not commit plagiarism or other acts of academic dishonesty.
- Students will contact the instructor as soon as personal problems arise that may affect

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Effective Date of Syllabus: 2/11/2024

the student's ability to complete assignments on time.

Expectations for Faculty
- The instructor will treat all students with respect and courtesy.
- The instructor will make grading criteria clear and follow the criteria scrupulously in evaluating student work.
- The instructor will provide feedback about student work within 6 days of due dates (or 24 hours prior to the next due date)—feedback that helps the student learn and improve.
- The instructor will respond to all student phone and email messages within 48 hours.