Course Syllabus

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BYU CSE 111 | Programming with Functions   ☾
IDAHO

CSE 111 Syllabus

Overview

CSE 111 students become more organized, efficient, and powerful computer programmers by learning to research and call functions written by others; write, call, and test their own functions; and handle errors within functions. CSE 111 students write programs with functions to solve problems in many disciplines, including business, physical science, human performance, and humanities.

Outcomes

Successful graduates of CSE 111 will do the following:

1. Write and call functions in programs to accomplish meaningful tasks in a variety of domains
2. Follow good practices in designing, writing, and debugging functions
3. Write programs that can detect and recover from invalid conditions
4. Research and call functions written by others
5. Use libraries and objects written by others

Computing Topics

- functions, parameters, default parameter values, named arguments, return
- lists, dictionaries
- text files, CSV files, `csv` module
- tkinter
- testing using `pytest`
- exception handling

Textbook

There is no textbook for this course. Instead, I-Learn contains links to videos and web pages with the preparation material students will need.

Technology

This course will use Python 3 and Visual Studio Code (VS Code). These applications are free and available for

Course Summary:

Date	Details	Due
Date	Details	Due
Thu Sep 16, 2021	📝 L01 Prepare: Checkpoint	due by 11:59pm

Date	Details	Due
Sat Sep 18, 2021	📝 L01 Ponder: Check Your Understanding	due by 11:59pm
	📝 L01 Prove: Milestone	due by 11:59pm
	📄 L01 Icebreaker	to do: 11:59pm
Tue Sep 21, 2021	📝 L02 Prepare: Checkpoint	due by 11:59pm
	📄 L02 Prepare	to do: 11:59pm
Thu Sep 23, 2021	📝 L02 Teach: Team Activity	due by 11:59pm
Sat Sep 25, 2021	📝 L02 Ponder: Reflection	due by 11:59pm
	📝 L02 Prove: Assignment	due by 11:59pm
Tue Sep 28, 2021	📝 L03 Prepare: Checkpoint	due by 11:59pm
	📄 L03 Prepare	to do: 11:59pm
Thu Sep 30, 2021	📝 L03 Teach: Team Activity	due by 11:59pm
Sat Oct 2, 2021	📝 L03 Ponder: Check Your Understanding	due by 11:59pm
	📝 L03 Prove: Milestone	due by 11:59pm
Tue Oct 5, 2021	📝 L04 Prepare: Checkpoint	due by 11:59pm
	📄 L04 Prepare	to do: 11:59pm
Thu Oct 7, 2021	📝 L04 Teach: Team Activity	due by 11:59pm
Sat Oct 9, 2021	📝 L04 Ponder: Reflection	due by 11:59pm
	📝 L04 Prove: Assignment	due by 11:59pm
Tue Oct 12, 2021	📝 L05 Prepare: Checkpoint	due by 11:59pm
	📄 L05 Prepare	to do: 11:59pm
Date	**Details**	**Due**

Date	Details	Due
Thu Oct 14, 2021	📝 L05 Teach: Team Activity	due by 11:59pm
Sat Oct 16, 2021	📝 L05 Ponder: Check Your Understanding	due by 11:59pm
	📝 L05 Prove: Milestone	due by 11:59pm
	📝 W05 Student Feedback to Instructor	due by 11:59pm
Tue Oct 19, 2021	📝 L06 Prepare: Checkpoint	due by 11:59pm
	📄 L06 Prepare	to do: 11:59pm
Thu Oct 21, 2021	📝 L06 Teach: Team Activity	due by 11:59pm
Sat Oct 23, 2021	📝 L06 Ponder: Reflection	due by 11:59pm
	📝 L06 Prove: Assignment	due by 11:59pm
Tue Oct 26, 2021	📝 L07 Prepare: Checkpoint	due by 11:59pm
	📄 L07 Prepare	to do: 11:59pm
Thu Oct 28, 2021	📝 L07 Teach: Team Activity	due by 11:59pm
Sat Oct 30, 2021	📝 L07 Ponder: Check Your Understanding	due by 11:59pm
	📝 L07 Prove: Milestone	due by 11:59pm
Tue Nov 2, 2021	📝 L08 Prepare: Checkpoint	due by 11:59pm
	📄 L08 Prepare	to do: 11:59pm
Thu Nov 4, 2021	📝 L08 Teach: Team Activity	due by 11:59pm
Sat Nov 6, 2021	📝 L08 Ponder: Reflection	due by 11:59pm
	📝 L08 Prove: Assignment	due by 11:59pm
Tue Nov 9, 2021	📝 L09 Prepare: Checkpoint	due by 11:59pm
Date	📄 L09 Prepare **Details**	to do: 11:59pm **Due**

Date	Details	Due
	📄 L09 Prepare	to do: 11:59pm
Thu Nov 11, 2021	📝 L09 Teach: Team Activity	due by 11:59pm
Sat Nov 13, 2021	📝 L09 Ponder: Check Your Understanding	due by 11:59pm
	📝 L09 Prove: Milestone	due by 11:59pm
Tue Nov 16, 2021	📝 L10 Prepare: Checkpoint	due by 11:59pm
	📄 L10 Prepare	to do: 11:59pm
Thu Nov 18, 2021	📝 L10 Teach: Team Activity	due by 11:59pm
Sat Nov 20, 2021	📝 L10 Ponder: Reflection	due by 11:59pm
	📝 L10 Prove: Assignment	due by 11:59pm
Tue Nov 23, 2021	📝 L11 Prepare: Checkpoint	due by 11:59pm
	📄 L11 Prepare	to do: 11:59pm
Thu Nov 25, 2021	📝 L11 Teach: Team Activity	due by 11:59pm
Sat Nov 27, 2021	📝 L11 Ponder: Check Your Understanding	due by 11:59pm
	📝 L11 Prove: Milestone	due by 11:59pm
	📝 W11 Student Evaluation of Instructor	due by 11:59pm
Tue Nov 30, 2021	📝 L12 Prepare: Checkpoint	due by 11:59pm
	📄 L12 Prepare	to do: 11:59pm
Thu Dec 2, 2021	📝 L12 Teach: Team Activity	due by 11:59pm
Sat Dec 4, 2021	📝 L12 Ponder: Check Your Understanding	due by 11:59pm
	📝 L12 Prove: Milestone	due by 11:59pm
Date	**Details**	**Due**

Sat Dec 11, 2021	📝 L13 Ponder: Reflection	due by 11:59pm
	📝 L13 Prove: Assignment	due by 11:59pm
Wed Dec 15, 2021	📝 L14 Prove: Outcome Self-Assessment	due by 11:59pm
	📄 L14 Prepare	to do: 11:59pm
	📝 L14 Ponder: Reflection	due by 11:59pm
	📝 W13 End-of-Course Evaluation	due by 11:59pm