

CPT127: Python Programming I

2025 Fall Semester Tentative Course Schedule - All Sections

Lead Instructor Contact and Class Information:

Instructor: Beau Sanders
 Office: Barton Campus, Building 103, Room 223D
 GTC Gmail: sandewbs@my.gvltec.edu (preferred method of contact)
 GTC Office Phone: 864-250-8314
 Cell: 864-325-7240 (preferred phone; identify yourself in texts and voicemail)
 Office Hours and Class Schedule²: <https://beausanders.org/schedule/>
 All Unit Tests are available Monday through Wednesday during test weeks; proctored by Respondus⁴
 Attendance Assignments = (A)

<u>Class Sections - Day & Time - Instructor - Attendance</u>
<i>CPT-127-434 - Wednesdays at 12:45 PM to 2:45 PM in 103-243 - Sanders - Attendance Required</i>
<i>CPT-127-W01 - Online - Tucker - Attendance Assignments</i>
<i>CPT-127-W18 - Mondays at 7:00 PM to 8:55 PM - Zoom Class - Tucker - Attendance Required</i>
<i>CPT-127-W42 - Thursdays at 9:35 AM to 11:30 AM - Zoom Class - Sanders - Attendance Required</i>

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CPT-127 Tentative Course Schedule¹

Unit #	✓	Week	Topic/Activity	Due Date
Unit 1		1	An Introduction to Python Programming	
			Obtain Textbook	
			Explore links available in the course	
			Read and Study Chapter 1	
			Post an Introduction to the course Discussion Board	
			Syllabus Quiz Due (A)	
			Topic 1 Discussion Due	
			Lab Exercise 1-0: Appendix A - How to Set Up Windows for this Book (Pages 536-539)	
			Lab Exercise 1-1: Experiment with IDLE's interactive shell (Page 24)	
			Lab Exercise 1-2: Use IDLE to run programs (Page 25)	
			Lab Exercise 1-3: Use IDLE to test and debug a program (Page 26)	
			Unit 1 Quiz Due (A)	
			Participation	
		1	All Unit 1 Course Content Due	Sunday, August 31, 2025
		2	LABOR DAY - Monday, September 1st - No Classes at GTC	
Unit 2		2	How to Write Your First Programs	
			Read and Study Chapter 2	
			Topic 2 Discussion Due	
			Lab Exercise 2-1: Modify the Miles Per Gallon program (Page 62)	
			Lab Exercise 2-2: Modify the Test Scores program (Page 63)	
			Lab Exercise 2-3: Create a simple program (Page 64)	
			Unit 2 Quiz Due (A)	
			Participation	

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Unit #	✓	Week	Topic/Activity	Due Date
		2	All Unit 2 Course Content Due	Sunday, September 7, 2025
Unit 3		3	How to Code Control Statements	
			Read and Study Chapter 3	
			Topic 3 Discussion Due	
			Lab Exercise 3-1: Enhance the Miles Per Gallon program (Page 102)	
			Lab Exercise 3-2: Enhance the Test Scores program (Page 103)	
			Lab Exercise 3-3: Enhance the Future Value program (Page 104)	
			Respondus Lockdown Browser and Monitor Practice Test	
			Unit 3 Quiz Due (A)	
			Participation	
		3	All Unit 3 Course Content Due	Sunday, September 14, 2025
		4	Unit Test 1: Course Content in Units 1, 2, & 3 (A)	Mon Sep 15 to Wed Sep 17
Unit 4		4	How to Define and Use Functions and Modules	
			Read and Study Chapter 4	
			Topic 4 Discussion Due	
			Lab Exercise 4-1: Enhance the Future Value program (Pages 138-139)	
			Unit 4 Quiz Due (A)	
			Participation	
		4	All Unit 4 Course Content Due	Sunday, September 21, 2025
Unit 5		5	How to Test and Debug a Program	
			Read and Study Chapter 5	
			Topic 5 Discussion Due	
			Lab Exercise 5-1: Test and debug a Test Scores program (Page 161)	
			Lab Exercise 5-2: Trace and test the functions of the Future Value program (Page 161)	
			Lab Exercise 5-3: Step through a Future Value program (Page 162)	
			Unit 5 Quiz Due (A)	
			Participation	
		5	All Unit 5 Course Content Due	Sunday, September 28, 2025
Unit 6		6	How to Work with Lists and Tuples	
			Read and Study Chapter 6	
			Topic 6 Discussion Due	
			Lab Exercise 6-1: Use a list for the Test Scores program (Page 199)	
			Lab Exercise 6-2: Enhance the Movie List 2D program (Page 200)	
			Unit 6 Quiz Due (A)	
			Participation	
		6	All Unit 6 Course Content Due	Sunday, October 5, 2025
		7	Unit Test 2: Course Content in Units 4, 5, & 6 (A)	Mon Oct 6 to Wed Oct 8
Unit 7		7	How to Work With File I/O	
			Read and Study Chapter 7	
			Topic 7 Discussion Due	
			Lab Exercise 7-1: Create a CSV file for trip data (Page 229)	
			Lab Exercise 7-2: Keep trip data in a CSV file (Pages 229-230)	
			Lab Exercise 7-3: Keep trip data in a binary file (Page 230)	
			Unit 7 Quiz Due (A)	

CPT-127 Tentative Course Schedule¹

Unit #	✓	Week	Topic/Activity	Due Date
			Participation	
		7	All Unit 7 Course Content Due	Sunday, October 12, 2025
		8	Week 8 Assignment	
			Week 8 Assignment Due (A)	
			Participation	
		8	All Week 8 Assignments Due	Sunday, October 19, 2025
		9	FALL BREAK - October 20 and October 21 - No Classes at GTC	
Unit 8		9	How to Handle Exceptions	
			Read and Study Chapter 8	
			Topic 8 Discussion Due	
			Lab Exercise 8-1: Add exception handling to the Future Value program (Page 251)	
			Lab Exercise 8-2: Enhance the Movie List 2.0 program (Pages 251-252)	
			Unit 8 Quiz Due (A)	
			Participation	
		9	All Unit 8 Course Content Due	Sunday, October 26, 2025
Unit 9		10	How to Work With Numbers	
			Read and Study Chapter 9	
			Topic 9 Discussion Due	
			Lab Exercise 9-1: Enhance the Invoice program (Page 273)	
			Unit 9 Quiz Due (A)	
			Participation	
		10	All Unit 9 Course Content Due	Sunday, November 2, 2025
		11	Unit Test 3: Course Content in Units 7, 8, & 9 (A)	Mon Nov 3 to Wed Nov 4
Unit 10		11	How to Work With Strings	
			Read and Study Chapter 10	
			Topic 10 Discussion Due	
			Lab Exercise 10-1: Enhance the Create Account program (Page 301)	
			Lab Exercise 10-2: Enhance the Word Counter program (Page 301)	
			Lab Exercise 10-3: Enhance the Hangman game (Page 302)	
			Unit 10 Quiz Due (A)	
			Participation	
		11	All Unit 10 Course Content Due	Sunday, November 9, 2025
Unit 11		12	How to Work With Dates and Times	
			Read and Study Chapter 11	
			Topic 11 Discussion Due	
			Lab Exercise 11-1: Modify the Invoice Due Date program (Page 325)	
			Lab Exercise 11-2: Modify the Timer Program (Page 326)	
			Unit 11 Quiz Due (A)	
			Participation	
		12	All Unit 11 Course Content Due	Sunday, November 16, 2025
Unit 12		13	How to Work With Dictionaries	
			Read and Study Chapter 12	
			Topic 12 Discussion Due	
			Lab Exercise 12-1: Add a list method to the Book Catalog program (Page 353)	

CPT-127 Tentative Course Schedule¹

Unit #	✓	Week	Topic/Activity	Due Date
			Lab Exercise 12-2: Enhance the Movie List 2D program (Pages 353-354)	
			Unit 12 Quiz Due (A)	
			Participation	
		13	All Unit 12 Course Content Due	Sunday, November 23, 2025
		14	THANKSGIVING HOLIDAY - Nov 26 to Nov 29 - No Classes at GTC	
		14	Topic 13 Discussion Due (A)	Sunday, November 30, 2025
		15	Unit Test 4: Course Content in Units 10, 11, & 12 (A)	Mon Dec 1 to Wed Dec 3
		15	Work on Final Exam Project	
			Final Exam Project Due (A)	
			Participation	
		15	All Week 15 Assignments Due	Sunday, December 7, 2025
Final Exam		16	CPT127 Final Exam (Requires Respondus ⁴) (A) Covers Course Content from Units 1 through 12	Dec 8 to Dec 10

IMPORTANT NOTES:

- 1 It is important to check the course electronic **Calendar** weekly in Blackboard. The dates shown above are tentative and are for planning purposes only. The dates can be changed by the instructor at any time. Check the course electronic **Calendar** in Blackboard for the actual dates.
- 2 Check the instructor's posted office hours at <https://beausanders.org/schedule> online. Please make an appointment if you want to meet with your instructor during his office hours.
- 3 **Instructor's Website**
<https://beausanders.org/CPT127/>
Download Lecture Slides, Virtual Class Videos, and other course information
Username = cpt127
Password = function
- 4 **Unit Tests and the Final Exam in CPT-127** will be scheduled Monday, Tuesday, and Wednesday each test week and Final Exams week, unless otherwise specified in the class section. All Unit Tests and the Final Exam will be taken at home and proctored by Respondus Lockdown Browser with Monitoring.

CPT-127 Tentative Course Schedule¹

Unit #	✓	Week	Topic/Activity	Due Date
5			Participation Requirement <i>Zoom Classes and Online Classes:</i> All students who attend the virtual in-person Zoom class session will automatically get full participation credit for the week. For students who did not attend the weekly lesson. 1. Follow the Yuja link that contains the lecture recordings. 2. Watch all recordings for the current unit. 3. All videos must be watched entirely through. This information is tracked. Note: Viewing the videos in the from other non-Yuja sources will not count towards the weekly participation grade. Watching the unit videos does not count as attendance for the virtual in-person Zoom meeting portion of the week. <i>Traditional Face-to-Face Classes:</i> All students who attend a traditional face-to-face class in a classroom will automatically get full participation credit for the week. If a traditional class student does NOT attend class, then they must watch the complete Lecture Video using the Yuja link in this class to get Participation credit. Watching the Lecture Video will NOT count for attendance for traditional class students. 1. Follow the Yuja link that contains the lecture recordings. 2. Watch all recordings for the current unit. 3. All videos must be watched entirely through. This information is tracked.	