

CPT-168: Programming Logic and Design

2025 Summer 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)

Class Sections - Day & Time - Instructor
CPT-168-W18 - Mondays at 7:00 PM to 9:00 PM - Zoom Class - Sanders - Attendance Required
CPT-168-W01 - Online Class - Sanders - Watching Video Lectures Required

250512

CPT-168 Tentative Course Schedule¹

Unit #	✓	Week	Topic/Activity	Due Date
Unit 1		0	An Introduction to Python Programming	
			Obtain Textbook	
			Explore links available in the course	
			Post an Introduction to the course Discussion Board	
			Syllabus Quiz Due (A)	
			Read and Study Chapter 1	
		0	Week 0 Tasks Due	Sunday, May 25, 2025
		1	Memorial Day on Monday, May 26th - No Classes at GTC	
Unit 2		1	How to Write Your First Programs	
			Topic 1 Discussion Due	
			Labs 1-0, 1-1, 1-2, and 1-3 Due	
			Unit 1 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)	
			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	
		1	All Units 1 and 2 Course Content Due	Sunday, June 1, 2025

CPT-168 Tentative Course Schedule¹

Unit #	✓	Week	Topic/Activity	Due Date
Unit 3		2	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	
		2	All Unit 3 Course Content Due	Sunday, June 8, 2025
		3	Unit Test 1: Course Content in Units 1, 2, & 3	Mon Jun 9th to Wed Jun 11th
Unit 4		3	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	
		3	All Unit 4 Course Content Due	Sunday, June 15, 2025
Unit 5		4	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	
Unit 6		4	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	
		4	All Units 5 and 6 Course Content Due	Sunday, June 22, 2025
		5	Unit Test 2: Course Content in Units 4, 5, & 6	Mon Jun 23rd to Wed Jun 25th
Unit 7		5	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)	
			Participation	
		5	All Unit 7 Course Content Due	Sunday, June 29, 2025

CPT-168 Tentative Course Schedule¹

Unit #	✓	Week	Topic/Activity	Due Date
		6	SUMMER BREAK - July 2nd and July 5th - No Classes at GTC	
Unit 8		6	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	
		6	All Unit 8 Course Content Due	Sunday, July 6, 2025
Unit 9		7	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	
		7	All Unit 9 Course Content Due	Sunday, July 13, 2025
		8	Unit Test 3: Course Content in Units 7, 8, & 9	Mon Jul 14th to Wed Jul 16th
Unit 10		8	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	
		8	All Unit 10 Course Content Due	Sunday, July 20, 2025
Unit 11		9	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	
Unit 12		9	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)	
			Lab Exercise 12-2: Enhance the Movie List 2D program (Pages 353-354)	
			Unit 12 Quiz Due (A)	
			Participation	
		9	All Units 11 and 12 Course Content Due	Sunday, July 27, 2025
		10	Unit Test 4: Course Content in Units 10, 11, & 12 (A)	Mon Jul 28th to Wed Jul 30th

CPT-168 Tentative Course Schedule¹

Unit #	✓	Week	Topic/Activity	Due Date
		10	Work on Final Exam Project	
			Final Exam Project Due (A)	
			Participation	
		10	All Week 10 Assignments Due	Sunday, August 3, 2025
Final Exam		11	CPT168 Final Exam (Requires Respondus⁴) (A) Covers Course Content from Units 1 through 12	Mon Aug 4th to Wed Aug 6th

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/CPT168/>

Download Lecture Slides, Virtual Class Videos, and other course information

Username = cpt168

Password = function

4 **Unit Tests and the Final Exam in CPT-168** 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.

5 Participation Requirement

Zoom Classes and Online Classes:

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 the end. This information is tracked.

Note: Viewing the videos in the course 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.

Traditional Face-to-Face Classes:

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 the end. This information is tracked.