

# CPT187-W12 Course Schedule - 2024SP

CPT-187: Object-Oriented Logic and Design

Zoom Class - Mondays from 9:35 AM to 11:35 AM

## 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 Schedule<sup>2</sup>: <https://beausanders.org/schedule>

All Unit Tests are available Monday through Wednesday during test weeks; proctored by Respondus<sup>4</sup>

Attendance Assignments = (A)

240113

## CPT-187 Tentative Course Schedule<sup>1</sup>

Unit #	✓	Week	Topic/Activity	Due Date
<b>Unit 1</b>		<b>1</b>	<b>How to work with Recursion and Algorithms</b>	
			Read and Study Chapter 13	
			Topic 1: Post an Introduction to the course Discussion	
			Syllabus Acknowledgment Quiz Due (A)	
			Labs 13-1 and 13-2 Due	
			Unit 1: Chapter 13 Quiz Due (A)	
			Participation	
		<b>1</b>	<b>All Unit 1 Course Content Due</b>	<b>Sunday, January 14, 2024</b>
		<b>2</b>	<b>MLK DAY - Monday, January 15th - No Classes at GTC</b>	
<b>Unit 2</b>		<b>2</b>	<b>How to Define and Use your own Classes</b>	
			Read and Study Chapter 14	
			Topic 2 Discussion Due	
			Labs 14-1, 14-2, and 14-3 Due	
			Other Items in Unit 2 if posted	
			Unit 2: Chapter 14 Quiz Due (A)	
			Participation	
		<b>2</b>	<b>All Unit 2 Course Content Due</b>	<b>Sunday, January 21, 2024</b>
<b>Unit 3</b>		<b>3</b>	<b>How to work with Inheritance</b>	
			Read and Study Chapter 15	
			Topic 3 Discussion Due	
			Labs 15-1 and 15-2 Due	
			Other Items in Unit 3 if posted	
			Unit 3: Chapter 15 Quiz Due (A)	
			Participation	
		<b>3</b>	<b>All Unit 3 Course Content Due</b>	<b>Sunday, January 28, 2024</b>
<b>Unit 4</b>		<b>4</b>	<b>How to Design an Object-Oriented Program</b>	
			Read and Study Chapter 16	
			Topic 4 Discussion Due	
			Lab 16-1 Due	
			Other Items in Unit 4 if posted	

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Unit #	✓	Week	Topic/Activity	Due Date
			Unit 4: Chapter 16 Quiz Due (A)	
			Participation	
		<b>4</b>	<b>All Unit 4 Course Content Due</b>	<b>Sunday, February 4, 2024</b>
<b>Unit 5</b>		<b>5</b>	<b>How to work with a Database</b>	
			Read and Study Chapter 17	
			Topic 5 Discussion Due	
			Labs 17-1 and 17-2	
			Other Items in Unit 5 if posted	
			Unit 5: Chapter 17 Quiz Due (A)	
			Participation	
		<b>5</b>	<b>All Unit 5 Course Content Due</b>	<b>Sunday, February 11, 2024</b>
<b>Unit 6</b>		<b>6</b>	<b>How to Build a Gui Program</b>	
			Read and Study Chapter 18	
			Topic 6 Discussion Due	
			Labs 18-1 and 18-2	
			Other Items in Unit 6 if posted	
			Unit 6: Chapter 18 Quiz Due (A)	
			Participation	
		<b>6</b>	<b>All Unit 6 Course Content Due</b>	<b>Sunday, February 18, 2024</b>
<b>Unit 7</b>		<b>7</b>	<b>Design Student Development Project</b>	
			Work on Design of Student Development Project	
			Prep for Mid-Term Exam	
			Submit Outline for Student Development Project	
			Topic 7 Discussion Due (A)	
		<b>7</b>	<b>Week 7 Deliverables Due</b>	<b>Sunday, February 25, 2024</b>
		<b>8</b>	<b>Mid-Term Exam: Covers Units 1 through 6</b>	<b>Mon Feb 26th to Wed Feb 28th</b>
<b>Unit 8</b>		<b>8</b>	<b>Web Scraping (Note 6)</b>	
			Read and Study Chapter 12	
			Topic 8 Discussion Due	
			Projects 8-1 and 8-2 (A)	
			Other Items in Unit 8 if posted	
			Participation	
		<b>8</b>	<b>All Unit 8 Course Content Due</b>	<b>Sunday, March 3, 2024</b>
<b>Unit 9</b>		<b>9</b>	<b>Working with Google Spreadsheets (Note 6)</b>	
			Read and Study Chapter 14	
			Topic 9 Discussion Due	
			Practice Project 9-1, 9-2, and 9-3 (A)	
			Other Items in Unit 9 if posted	
			Participation	
		<b>8</b>	<b>All Unit 9 Course Content Due</b>	<b>Sunday, March 10, 2024</b>
<b>Unit 10</b>		<b>10</b>	<b>Working with PDF and Word Documents (Note 6)</b>	
			Read and Study Chapter 15	
			Topic 10 Discussion Due	
			Project 10-1 (A)	

## CPT-187 Tentative Course Schedule<sup>1</sup>

Unit #	✓	Week	Topic/Activity	Due Date
			Other Items in Unit 10 if posted	
			Participation	
		<b>10</b>	<b>All Unit 10 Course Content Due</b>	<b>Sunday, March 17, 2024</b>
		<b>11</b>	<b>SPRING BREAK - March 18 to March 23 - No Classes at GTC</b>	
<b>Unit 11</b>		<b>12</b>	<b>Working with CSV Files and JSON Data (Note 6)</b>	
			Read and Study Chapter 16	
			Topic 11 Discussion Due	
			Projects 11-1 and 11-2 (A)	
			Other Items in Unit 11 if posted	
			Participation	
		<b>12</b>	<b>All Unit 11 Course Content Due</b>	<b>Sunday, March 31, 2024</b>
<b>Unit 12</b>		<b>13</b>	<b>Keeping Time, Scheduling Tasks, and Launching Programs (Note 6)</b>	
			Read and Study Chapter 17	
			Topic 12 Discussion Due	
			Projects 12-1, 12-2, and 12-3 (A)	
			Other Items in Unit 12 if posted	
			Participation	
		<b>13</b>	<b>All Unit 12 Course Content Due</b>	<b>Sunday, April 7, 2024</b>
<b>Unit 13</b>		<b>14</b>	<b>Sending Email and Text Messages (Note 6)</b>	
			Read and Study Chapter 18	
			Topic 13 Discussion Due	
			Projects 13-1 and 13-2 (A)	
			Other Items in Unit 13 if posted	
			Participation	
		<b>14</b>	<b>All Unit 13 Course Content Due</b>	<b>Sunday, April 14, 2024</b>
		<b>15</b>	<b>Student Development Project</b>	
			Prep for Final Exam	
			Demo Student Development Projects in class	
			Submit Student Development Project (A)	
		<b>15</b>	<b>Week 15 Deliverables Due</b>	<b>Sunday, April 21, 2024</b>
		<b>16</b>	<b>Final Exam - Covers Units 7 through 13</b>	<b>Mon Apr 22nd to Wed April 24th</b>

### 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/CPT187>

Download Lecture Slides and other course information

Username = cpt187

Password = recursion

# CPT-187 Tentative Course Schedule<sup>1</sup>

Unit #	✓	Week	Topic/Activity	Due Date
			<p>4 <b>Exams in CPT187</b> will be scheduled Monday, Tuesday, and Wednesday each exam 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.</p>	
			<p>5 <b>Participation Requirement</b></p> <p><i>Zoom Classes and Online Classes:</i></p> <p>All students who attend the virtual in-person Zoom class session will automatically get full participation credit for the week.</p> <p>For students who did not attend the weekly lesson.</p> <ol style="list-style-type: none"> <li>1. Follow the Yuja link that contains the lecture recordings.</li> <li>2. Watch all recordings for the current unit.</li> <li>3. All videos must be watched entirely through. This information is tracked.</li> </ol> <p>Note: Viewing the videos in the from other non-Yuja sources will not count towards the weekly participation grade.</p> <p>Watching the unit videos does not count as attendance for the virtual in-person Zoom meeting portion of the week.</p> <p><i>Traditional Face-to-Face Classes:</i></p> <p>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.</p> <ol style="list-style-type: none"> <li>1. Follow the Yuja link that contains the lecture recordings.</li> <li>2. Watch all recordings for the current unit.</li> <li>3. All videos must be watched entirely through. This information is tracked.</li> </ol>	
			<p>6 <b>"Automate the Boring Stuff with Python"</b> by Al Sweigart</p> <p><a href="https://automatetheboringstuff.com">https://automatetheboringstuff.com</a></p> <p><b>Publisher:</b> No Starch Press; 2nd edition (November 12, 2019)</p> <p><b>Language:</b> English</p> <p><b>Paperback:</b> 592 pages</p> <p><b>ISBN-10:</b> 1593279922</p> <p><b>ISBN-13:</b> 978-1593279929</p> <p>Freely available under a Creative Commons license</p>	