

**STA 2023 (Statistical Methods)**

**Fall 2025 Syllabus**

<b>Course Information</b>	<b>Modality</b> Face-to-Face	<b>Meet Days</b> Tue/Thu	<b>Meet Hours</b> 1130 - 1245	<b>Classroom</b> Building 3 Room 239	<b>CRN</b> 12209
<b>Professor Information</b>	<b>Professor</b> Dr. Jonathan Stevens	<b>E-Mail</b> <a href="mailto:jstevens41">jstevens41</a>	<b>Website</b> <a href="#">FrontDoor</a>	<b>Phone</b> 407-582-4120	<b>Office</b> Building 1 Room 209
<b>Office Hours</b>	<b>Monday</b> 0700 - 0800 1145 - 1245 1430 - 1500	<b>Tuesday</b> 0715 - 0815 1300 - 1430	<b>Wednesday</b> 0700 - 0800 1145 - 1245 1430 - 1500	<b>Thursday</b> 0715 - 0815 1300 - 1430	<b>Friday</b> 0700 - 0800
<b>Course Description</b>	<ul style="list-style-type: none"> <li>Course based on the study of topics that include graphical and numerical summaries of data, probability and random variables, confidence intervals, hypothesis testing, correlation, and simple linear regression.</li> </ul>				
<b>Required Material</b>	<ul style="list-style-type: none"> <li>Notebook and pen/pencil</li> <li>TI-84 calculator</li> <li>Laptop or tablet</li> <li>StatCrunch account</li> </ul>				
<b>Grade Calculation</b>	<ul style="list-style-type: none"> <li>The course is based on a 100-point scale:</li> </ul>				
	<b>Module</b>	<b>Sections</b>		<b>Test</b>	<b>Points</b>
	Module #1	1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7		Test #1	25 points
	Module #2	2.1, 2.2, 2.3, 2.4, 2.5		Test #2	25 points
	Module #3	3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7		Test #3	25 points
	Module #4	4.1, 4.2, 4.3, 4.4, 4.5		Test #4	25 points
	<b>Total Possible Points</b>				<b>100 points</b>
<ul style="list-style-type: none"> <li>A student's final course grade is based upon the total points earned:</li> </ul>					
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>F</b>
	90 - 100 points	80 - 89 points	70 - 79 points	60 - 69 points	0 - 59 points
<b>Lectures</b>	<ul style="list-style-type: none"> <li>It is imperative students attend all lectures. Lectures are the foundation for the homework, test reviews and tests.</li> </ul>				
<b>Homework (HW)</b>	<ul style="list-style-type: none"> <li>Ungraded homework assignments will be assigned for each section and are found in the lecture notes.</li> <li>Homework assignments reinforce what was learned in class and serve as invaluable practice opportunities.</li> </ul>				
<b>Extra Credit (Test Reviews)</b>	<ul style="list-style-type: none"> <li>For each test, there is a test review worth 1 extra credit point. There are 4 extra credit points available.</li> <li>Test reviews are closely correlated with each test. It is wise to complete these optional assignments.</li> <li><b>Test reviews must be printed, complete, and turned in on time to receive extra credit. All work must be shown.</b></li> </ul>				
<b>Tests</b>	<ul style="list-style-type: none"> <li>There are four tests for the course, all conducted in class. Test #4 is not cumulative and only covers Module #4.</li> <li><b>Each module's test is worth 25 points. Take the percent correct on the test and multiply by 25.</b></li> </ul>				
<b>Attendance/Lateness</b>	<ul style="list-style-type: none"> <li>Students are required to attend class, be on time and sign in. Students are responsible for learning missed material.</li> <li><b>Students are allowed 3 absences. For each absence after that, their final grade will be reduced by 5 points.</b></li> <li><b>If late, students should quietly enter the classroom and sit at the first available desk.</b></li> </ul>				
<b>Calculator</b>	<ul style="list-style-type: none"> <li>The TI-84 calculator is required and is the only authorized calculator for class, homework, and tests.</li> <li>Rentals are available at the Math Lab (1-144), Depot (4-121), Library (4-202), or Learning Center (3-100).</li> </ul>				
<b>Apparatus</b>	<ul style="list-style-type: none"> <li>A laptop/tablet is required and will be used for all lectures, homework, test reviews and tests.</li> </ul>				
<b>Canvas</b>	<ul style="list-style-type: none"> <li>The course syllabus, lecture notes, homework, test reviews and grades will be posted to <a href="#">Canvas</a>.</li> <li>Students are responsible for reading any Canvas e-mail sent by the professor. Please check Canvas regularly.</li> </ul>				
<b>StatCrunch</b>	<ul style="list-style-type: none"> <li>StatCrunch is required. Purchase the access code at the <a href="#">Bookstore</a> and enter it at <a href="#">Registration</a>. Log in at <a href="#">StatCrunch</a>.</li> <li><b>Students must e-mail the professor their StatCrunch account screenshot by 11:59 PM on Aug. 22 or be dropped.</b></li> </ul>				
<b>Technical Problems</b>	<ul style="list-style-type: none"> <li><b>Students must ensure that their laptop/tablet is operational, with StatCrunch open, before every class and test.</b></li> <li><b>No class or test will be delayed due to non-functioning laptops/tablets or StatCrunch access issues.</b></li> </ul>				
<b>Crawl-Walk-Run</b>	<ul style="list-style-type: none"> <li>To be successful in the course, students should follow the <b>Crawl-Walk-Run</b> learning model: <ul style="list-style-type: none"> <li><b>Crawl:</b> students attend class, arrive on time, and are prepared to learn <u>before</u> class starts.</li> <li><b>Walk:</b> students actively participate and actively learn <u>during</u> class.</li> <li><b>Run:</b> students work efficiently <u>after</u> class by studying their notes, re-working the in-class problems, completing the HW assignments and repeatedly completing the test review.</li> </ul> </li> </ul>				
<b>Conduct</b>	<ul style="list-style-type: none"> <li>Please be courteous and do not disrupt class. The professor will dismiss a student disrupting class.</li> <li><b>Cellphone use is not permitted in class</b> and will result in dismissal, except for calculator and camera applications.</li> <li>E-mail is for administrative purposes, not for math questions. <b>All math questions will be answered face-to-face.</b></li> <li><b>Students found cheating, in any manner, will receive a final grade of F and be permanently dismissed.</b></li> </ul>				
<b>Make-Up Policy</b>	<ul style="list-style-type: none"> <li><b>There are no make-up tests nor test retakes. Students who miss a test will receive a test score of zero.</b></li> <li><b>In the event of a valid and documented emergency, the professor may approve a make-up test.</b></li> </ul>				
<b>Miscellaneous</b>	<ul style="list-style-type: none"> <li>There are no faculty-withdrawals at Valencia College. The self-withdrawal deadline is <b>October 24</b>.</li> <li>Students with an OSD accommodation letter must see the professor to discuss course testing procedures.</li> <li>This syllabus may change. Students will be notified of changes and provided a revised syllabus in Canvas.</li> </ul>				

Course Schedule	Date	Class	Activity	Homework (HW)
	19-Aug	1	Syllabus Review, 1.1 Lecture	StatCrunch Acct., 1.1 HW, Test Review #1 Posted
	21-Aug	2	1.2 Lecture	Bring Apparatus to Class, 1.2 HW
	26-Aug	3	1.3 Lecture	Bring Apparatus to Class w/StatCrunch, 1.3 HW
	28-Aug	4	1.4 Lecture	1.4 HW
	2-Sep	5	1.5 Lecture	1.5 HW
	4-Sep	6	1.6 Lecture	1.6 HW
	9-Sep	7	1.7 Lecture, Test Protocol	1.7 HW, Study for Test #1
	11-Sep	8	Test #1	NLT 1130: Test Review #1 Due
	16-Sep	9	Test #1 Feedback, 2.1 Lecture	2.1 HW, Test Review #2 Posted
	18-Sep	10	2.2 Lecture	2.2 HW
	23-Sep	11	2.3 Lecture	2.3 HW
	25-Sep	12	2.4 Lecture	2.4 HW
	30-Sep	13	2.5 Lecture	2.5 HW, Study for Test #2
	2-Oct	14	Test #2	NLT 1130: Test Review #2 Due
	7-Oct	15	Test #2 Feedback, 3.1 Lecture	3.1 HW, Test Review #3 Posted
	9-Oct	16	3.2 Lecture	3.2 HW
	14-Oct	17	3.3 Lecture	3.3 HW
	16-Oct	18	3.4 Lecture	3.4 HW
	21-Oct	19	3.5 Lecture	3.5 HW
	23-Oct	20	3.6 Lecture	3.6 HW
	28-Oct	21	3.7 Lecture	3.7 HW, Study for Test #3
	30-Oct	22	Test #3	NLT 1130: Test Review #3 Due
	4-Nov	23	Test #3 Feedback, 4.1 Lecture	4.1 HW, Test Review #4 Posted
	6-Nov	24	4.2 Lecture	4.2 HW
11-Nov		Veteran's Day - No Class		
13-Nov	25	4.3 Lecture	4.3 HW	
18-Nov	26	4.4 Lecture	4.4 HW	
20-Nov	27	4.5 Lecture	4.5 HW, Study for Test #4	
25-Nov		Thanksgiving - No Class		
27-Nov		Thanksgiving - No Class		
2-Dec	28	Test #4	NLT 1130: Test Review #4 Due	
4-Dec		Spare Day – No Class		