

STA 2023 (Statistical Methods)

Spring 2025 Syllabus

Course Information	Modality Face-to-Face	Meet Days Tue/Thu	Meet Hours 1130 - 1245	Classroom Building 3 Room 239	CRN 22372
Professor Information	Professor Dr. Jonathan Stevens	E-Mail jstevens41	Website FrontDoor	Phone 407-582-4120	Office Building 1 Room 209
Office Hours	Monday 0700 - 0800 1145 - 1245 1430 - 1500	Tuesday 0715 - 0815 1300 - 1430	Wednesday 0700 - 0800 1145 - 1245 1430 - 1500	Thursday 0715 - 0815 1300 - 1430	Friday 0700 - 0800
Course Description	<ul style="list-style-type: none"> 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. 				
Required Material	<ul style="list-style-type: none"> Notebook and pen/pencil TI-84 calculator Laptop or tablet StatCrunch account 				
Grade Calculation	<ul style="list-style-type: none"> The course is based on a 100-point scale: 				
	Module	Sections		Test	Points
	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
	Total Possible Points				100 points
<ul style="list-style-type: none"> A student's final course grade is based upon the total points earned: 					
	A	B	C	D	F
	90 - 100 points	80 - 89 points	70 - 79 points	60 - 69 points	0 - 59 points
Lectures	<ul style="list-style-type: none"> It is imperative students attend all lectures. Lectures are the foundation for the homework, test reviews and tests. 				
Homework (HW)	<ul style="list-style-type: none"> Ungraded homework assignments will be assigned for each section and are found in the lecture notes. Homework assignments reinforce what was learned in class and serve as invaluable practice opportunities. 				
Extra Credit (Test Reviews)	<ul style="list-style-type: none"> For each test, there is a test review worth 1 extra credit point. There are 4 extra credit points available. Test reviews are closely correlated with each test. It is wise to complete these optional assignments. Test reviews must be printed, complete, and turned in on time to receive extra credit. All work must be shown. 				
Tests	<ul style="list-style-type: none"> There are four tests for the course, all conducted in class. Test #4 is not cumulative and only covers Module #4. Each module's test is worth 25 points. Take the percent correct on the test and multiply by 25. 				
Attendance/Lateness	<ul style="list-style-type: none"> Students are required to attend class, be on time and sign in. Students are responsible to learn any missed material. Students are allowed 3 absences. For each absence after that, their final grade will be reduced by 5 points. If late, students should quietly enter the classroom and sit at the first available desk. 				
Calculator	<ul style="list-style-type: none"> The TI-84 calculator is required and is the only authorized calculator for class, homework, and tests. Rentals are available at the Math Lab (1-144), Depot (4-121), Library (4-202), or Learning Center (3-100). 				
Laptop/Tablet	<ul style="list-style-type: none"> A laptop/tablet is required and will be used for all lectures, homework, test reviews and tests. 				
Canvas	<ul style="list-style-type: none"> The course syllabus, lecture notes, homework, test reviews and grades will be posted to Canvas. Students are responsible for reading any Canvas e-mail sent by the professor. Please check Canvas regularly. 				
StatCrunch	<ul style="list-style-type: none"> StatCrunch is required. Purchase the access code at the Bookstore and enter it at Registration. Log in at StatCrunch. Students must e-mail the professor their StatCrunch account screenshot by 11:59 PM on Jan. 10 or be dropped. 				
Technical Problems	<ul style="list-style-type: none"> Students must ensure that their laptop/tablet is operational, with StatCrunch open, before every class and test. No class or test will be delayed due to non-functioning laptops/tablets or StatCrunch access issues. 				
Crawl-Walk-Run	<ul style="list-style-type: none"> To be successful in the course, students should follow the Crawl-Walk-Run learning model: <ul style="list-style-type: none"> Crawl: students attend class, arrive on time, and are prepared to learn <u>before</u> class starts. Walk: students actively participate and actively learn <u>during</u> class. Run: 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. 				
Conduct	<ul style="list-style-type: none"> Please be courteous and do not disrupt class. The professor will dismiss a student disrupting class. Cellphone use is not permitted in class and will result in dismissal, except for calculator and camera applications. E-mail is for administrative purposes, not for math questions. All math questions will be answered face-to-face. Students found cheating, in any manner, will receive a final grade of F and be permanently dismissed. 				
Make-Up Policy	<ul style="list-style-type: none"> There are no make-up tests nor test retakes. Students who miss a test will receive a test score of zero. In the event of a valid and documented emergency, the professor may approve a make-up test. 				
Miscellaneous	<ul style="list-style-type: none"> There are no faculty-withdrawals at Valencia College. The self-withdrawal deadline is March 14. Students with an OSD accommodation letter must see the professor to discuss course testing procedures. This syllabus may change. Students will be notified of changes and provided a revised syllabus in Canvas. 				

Course Schedule	Date	Class	Activity	Homework (HW)
	7-Jan	1	Syllabus Review, 1.1 Lecture	Create StatCrunch Account, 1.1 HW, Test Review #1 Posted
	9-Jan	2	1.2 Lecture	Bring Laptop/Tablet to Class, 1.2 HW
	14-Jan	3	1.3 Lecture	Bring Laptop/Tablet to Class with StatCrunch Open, 1.3 HW
	16-Jan	4	1.4 Lecture	1.4 HW
	21-Jan	5	1.5 Lecture	1.5 HW
	23-Jan	6	1.6 Lecture	1.6 HW
	28-Jan	7	1.7 Lecture, Test Protocol	1.7 HW, Study for Test #1
	30-Jan	8	Test #1	NLT 1130: Test Review #1 Due
	4-Feb	9	Test #1 Feedback, 2.1 Lecture	2.1 HW, Test Review #2 Posted
	6-Feb	10	2.2 Lecture	2.2 HW
	11-Feb	11	2.3 Lecture	2.3 HW
	13-Feb	12	2.4 Lecture	2.4 HW
	18-Feb	13	2.5 Lecture	2.5 HW, Study for Test #2
	20-Feb	14	Test #2	NLT 1130: Test Review #2 Due
	25-Feb	15	Test #2 Feedback, 3.1 Lecture	3.1 HW, Test Review #3 Posted
	27-Feb	16	3.2 Lecture	3.2 HW
	4-Mar	17	3.3 Lecture	3.3 HW
	6-Mar	18	3.4 Lecture	3.4 HW
	11-Mar	19	3.5 Lecture	3.5 HW
	13-Mar	20	3.6 Lecture	3.6 HW
	18-Mar		Spring Break - No Class	
	20-Mar		Spring Break - No Class	
	25-Mar	21	3.7 Lecture	3.7 HW, Study for Test #3
	27-Mar	22	Test #3	NLT 1130: Test Review #3 Due
1-Apr	23	Test #3 Feedback, 4.1 Lecture	4.1 HW, Test Review #4 Posted	
3-Apr	24	4.2 Lecture	4.2 HW	
8-Apr	25	4.3 Lecture	4.3 HW	
10-Apr	26	4.4 Lecture	4.4 HW	
15-Apr	27	4.5 Lecture	4.5 HW, Study for Test #4	
17-Apr		Test #4 Preparation Day	Study for Test #4	
22-Apr	28	Test #4	NLT 1130: Test Review #4 Due	
24-Apr		Spare Day – No Class		