

MAC 2311: Calculus/Analytic Geometry I

Fall 2024 Syllabus

Course Information	Modality Face-to-Face	Meet Times Mon/Wed/Fri, 0815 - 0945		Classroom Building 3 Room 239	CRN 15665
Instructor Information	Professor Dr. Jonathan Stevens	E-Mail jstevens41@valenciacollege.edu		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 limits, continuity, indeterminate forms, derivatives of functions, applications of derivatives, and definite and indefinite integrals. Students will use limits, find derivatives of functions, find indefinite and definite integrals, and solve applied problems using derivatives. 				
Required Material	<ul style="list-style-type: none"> Notebook and pen/pencil TI-84 calculator 				
Grade Calculation	<ul style="list-style-type: none"> This course is based on a 100-point scale. Your points will be calculated as follows: 				
	Module	Sections			Module Test
	Module 1	1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7			20 points
	Module 2	2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7			20 points
	Module 3	3.1, 3.2, 3.3, 3.4, 3.5, 3.6			20 points
	Module 4	4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7			20 points
	Module 5	5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7			20 points
Total Possible Points				100 points	
<ul style="list-style-type: none"> Your final grade for the course is based upon the number of 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 that students attend all lectures. Lectures serve as the foundation for the assigned HW, 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. HW 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 5 extra credit points available. Test reviews are closely correlated with each test. It is wise to complete these optional assignments. Students must print, complete, and turn in their test review on time to receive extra credit. Unprinted, incomplete, or late test reviews will not be accepted. All work must be shown. 				
Tests	<ul style="list-style-type: none"> There are four tests and a final exam for this course. All tests are conducted in class. Each module's test is worth 20 points. Take your percent correct on the test and multiply by 20. 				
Final Exam	<ul style="list-style-type: none"> The final exam will be conducted during regular class hours on the day listed in the course schedule. The final exam will only cover the last module and is not cumulative. 				
Attendance	<ul style="list-style-type: none"> Attendance will be taken every class. Students are required to attend class to learn the material. Students are allowed 3 absences. For each absence after that, their final grade will be reduced by 5 points. If absent, it is the student's responsibility to determine what material was missed and to learn it. 				
Calculator	<ul style="list-style-type: none"> The TI-84 calculator is required. The TI-84 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). 				
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 instructor. Please check Canvas regularly. 				
Crawl-Walk-Run	<ul style="list-style-type: none"> To be successful in this 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 instructor will dismiss a student disrupting class. Students are required to be on time. If late, quietly enter the classroom and sit at the first available desk. To minimize distractions and maximize learning, cellphones are not permitted in class. 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 instructor 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 October 25. • 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)	
	19-Aug	1	Syllabus Review, 1.1 Lecture		Test Review #1 Posted, 1.1 HW
	21-Aug	2	1.2 Lecture		1.2 HW
	23-Aug	3	1.3 Lecture		1.3 HW
	26-Aug	4	1.4 Lecture		1.4 HW
	28-Aug	5	1.5 Lecture		1.5 HW
	30-Aug	6	1.6 Lecture		1.6 HW
	2-Sep		Labor Day - No Class		
	4-Sep	7	1.7 Lecture, Test Protocol		1.7 HW, Study for Test #1
	6-Sep		Test #1 Preparation Day		Study for Test #1
	9-Sep	8	Test #1		NLT 0815: Test Review #1 Due
	11-Sep	9	Test #1 Feedback, 2.1 Lecture		Test Review #2 Posted, 2.1 HW
	13-Sep	10	2.2 Lecture		2.2 HW
	16-Sep	11	2.3 Lecture		2.3 HW
	18-Sep	12	2.4 Lecture		2.4 HW
	20-Sep	13	2.5 Lecture		2.5 HW
	23-Sep	14	2.6 Lecture		2.6 HW
	25-Sep	15	2.7 Lecture		2.7 HW, Study for Test #2
	27-Sep		Test #2 Preparation Day		Study for Test #2
	30-Sep	16	Test #2		NLT 0815: Test Review #2 Due
	2-Oct	17	Test #2 Feedback, 3.1 Lecture		Test Review #3 Posted, 3.1 HW
	4-Oct	18	3.2 Lecture		3.2 HW
	7-Oct	19	3.3 Lecture		3.3 HW
	9-Oct	20	3.4 Lecture		3.4 HW
	11-Oct	21	3.5 Lecture		3.5 HW
	14-Oct	22	3.6 Lecture		3.6 HW, Study for Test #3
	16-Oct	23	Test #3		NLT 0815: Test Review #3 Due
	18-Oct	24	Test #3 Feedback, 4.1 Lecture		Test Review #4 Posted, 4.1 HW
	21-Oct	25	4.2 Lecture		4.2 HW
	23-Oct	26	4.3 Lecture		4.3 HW
	25-Oct	27	4.4 Lecture		4.4 HW
	28-Oct	28	4.5 Lecture		4.5 HW
	30-Oct	29	4.6 Lecture		4.6 HW
1-Nov	30	4.7 Lecture		4.7 HW, Study for Test #4	
4-Nov		Test #4 Preparation Day		Study for Test #2	
6-Nov	31	Test #4		NLT 0815: Test Review #4 Due	
8-Nov	32	Test #4 Feedback, 5.1 Lecture		Test Review #5 Posted, 5.1 HW	
11-Nov		Veterans Day - No Class			
13-Nov	33	5.2 Lecture		5.2 HW	
15-Nov	34	5.3 Lecture		5.3 HW	
18-Nov	35	5.4 Lecture		5.4 HW	
20-Nov	36	5.5 Lecture		5.5 HW	
22-Nov	37	5.6 Lecture		5.6 HW	
25-Nov	38	5.7 Lecture		5.7 HW, Study for Test #5	
27-Nov		Thanksgiving - No Class			
29-Nov		Thanksgiving - No Class			
2-Dec	39	Test #5 (Final Exam)		NLT 0815: Test Review #5 Due	