MAC 2312: Calculus/Analytic Geometry II
Fall 2024 Syllabus

Course Information	**Modality**	**Meet Times**		**Classroom**	**CRN**
	Face-to-Face	Mon/Wed/Fri, 1000 - 1130		Building 3 Room 239	11827
Instructor Information	**Professor**	**E-Mail**		**Phone**	**Office**
	Dr. Jonathan Stevens	jstevens41@valenciacollege.edu		407-582-4120	Building 1 Room 209
Office Hours	**Monday**	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
	0700 - 0800 1145 - 1245 1430 - 1500	0715 - 0815 1300 - 1430	0700 - 0800 1145 - 1245 1430 - 1500	0715 - 0815 1300 - 1430	0700 - 0800

Course Description

- Course based on the study of topics that include differentiation and integration, techniques of integration, and infinite series. Students will integrate using a variety of techniques, solve mathematical models using integration, and analyze infinite series using differentiation and integration.

Required Material

- Notebook and pen/pencil
- TI-84 calculator

Grade Calculation

- 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	20 points
Module 2	2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8	20 points
Module 3	3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9	20 points
Module 4	4.1, 4.2, 4.3, 4.4, 4.5, 4.6	20 points
Module 5	5.1, 5.2, 5.3, 5.4, 5.5	20 points
Total Possible Points		**100 points**

- 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

- It is imperative that students attend all lectures.
- Lectures serve as the foundation for the assigned HW, test reviews and tests.

Homework (HW)

- 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)

- 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

- 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

- 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

- 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

- 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

- 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

- To be successful in this course, students should follow the **Crawl-Walk-Run** learning model:
  - **Crawl**: students attend class, arrive on time, and are prepared to learn before class starts.
  - **Walk**: students actively participate and actively learn during class.
  - **Run**: students work efficiently after class by studying their notes, re-working the in-class problems, completing the HW assignments and repeatedly completing the test review.

Conduct

- 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

- **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	• 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, Test Protocol	1.6 HW, Study for Test #1
	2-Sep		Labor Day - No Class	
	4-Sep	7	Test #1	NLT 1000: Test Review #1 Due
	6-Sep	8	Test #1 Feedback, 2.1 Lecture	Test Review #2 Posted, 2.1 HW
	9-Sep	9	2.2 Lecture	2.2 HW
	11-Sep	10	2.3 Lecture	2.3 HW
	13-Sep	11	2.4 Lecture	2.4 HW
	16-Sep	12	2.5 Lecture	2.5 HW
	18-Sep	13	2.6 Lecture	2.6 HW
	20-Sep	14	2.7 Lecture	2.7 HW
	23-Sep	15	2.8 Lecture	2.8 HW, Study for Test #2
	25-Sep		Test #2 Preparation Day	Study for Test #2
	27-Sep	16	Test #2	NLT 1000: Test Review #2 Due
	30-Sep	17	Test #2 Feedback, 3.1 Lecture	Test Review #3 Posted, 3.1 HW
	2-Oct	18	3.2 Lecture	3.2 HW
	4-Oct	19	3.3 Lecture	3.3 HW
	7-Oct	20	3.4 Lecture	3.4 HW
	9-Oct	21	3.5 Lecture	3.5 HW
	11-Oct	22	3.6 Lecture	3.6 HW
	14-Oct	23	3.7 Lecture	3.7 HW
	16-Oct	24	3.8 Lecture	3.8 HW
	18-Oct	25	3.9 Lecture	3.9 HW, Study for Test #3
	21-Oct		Test #3 Preparation Day	Study for Test #3
	23-Oct	26	Test #3	NLT 1000: Test Review #3 Due
	25-Oct	27	Test #3 Feedback, 4.1 Lecture	Test Review #4 Posted, 4.1 HW
	28-Oct	28	4.2 Lecture	4.2 HW
	30-Oct	29	4.3 Lecture	4.3 HW
	1-Nov	30	4.4 Lecture	4.4 HW
	4-Nov	31	4.5 Lecture	4.5 HW
	6-Nov	32	4.6 Lecture	4.6 HW, Study for Test #4
	8-Nov		Test #4 Preparation Day	Study for Test #4
	11-Nov		Veterans Day - No Class	
	13-Nov	33	Test #4	NLT 1000: Test Review #4 Due
	15-Nov	34	Test #4 Feedback, 5.1 Lecture	Test Review #5 Posted, 5.1 HW
	18-Nov	35	5.2 Lecture	5.2 HW
	20-Nov	36	5.3 Lecture	5.3 HW
	22-Nov	37	5.4 Lecture	5.4 HW
	25-Nov	38	5.5 Lecture	5.5 HW, Study for Test #5
	27-Nov		Thanksgiving - No Class	
	29-Nov		Thanksgiving - No Class	
	2-Dec	39	Test #5 (Final Exam)	NLT 1000: Test Review #5 Due