FALL 2021 **MAC 2311 – CALCULUS 1 - Real Time Virtual** **SYLLABUS**

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COURSE DESCRIPTION

This class is part one of a three course study of Calculus with Analytic Geometry. Topics will include the study of limits and continuity; differentiation and integration of algebraic and trigonometric functions; applications of derivatives, definite and indefinite integrals; the use of graphing calculators to explore selected topics; and mathematical communication skills. A minimum grade of C is required if MAC 2311 is used to satisfy Gordon Rule/general education requirements and as a prerequisite to MAC 2312.

CANVAS

Canvas is Valencia College's online course environment. You can access it through Valencia's home page or by using this address https://online.valenciacollege.edu/login/canvas

In the Canvas area for this class you will find the syllabus, WebAssign information/access, course announcements, class notes, discussions, videos, and your grades.

REQUIRED MATERIALS

WebAssign Access: WebAssign (WA) is an online computer program containing a variety of resources based on the textbook entitled Calculus: Early Transcendentals, 8th edition by James Stewart. A physical copy of the textbook is not required since WA includes an electronic version. Some of the work that your grade is based on will be done in WA. An Access Code for WA may be purchased online.

Calculator: TI-84 or other graphing calculator is required for this course.

Computer/Internet Access: Since all work for this class will be done online, you are required to have access to a computer with an Internet connection.

GRADING

Your Class Grade will be determined by your performance on assignments in the following categories: Homework (25%), Tests (four of these, 15% each), Final Exam (15%).

Homework
- Homework assignments are done in WebAssign (WA).
- There is a Homework assignment for each of the four tests, containing problems from the sections covered by the test.
- The number of problems in each assignment may vary.
- You have 100 attempts for each homework problem (that's the highest possible number).
- Your best attempt is kept.
- You are allowed to use any resources you'd like but keep in mind you are ultimately responsible for being able to do these problems on your own during Tests.
- There is no time limit and you can access the assignments as often as you'd like but each one has a deadline, which can be found in the syllabus, in Canvas, and in WA.
- Each assignment is scored out of 100 points. After the deadline, scores cannot be changed. A missed assignment results in a score of zero.
- The average of the four Homework assignment scores is your Homework Grade, which will count as 25% of your overall Class Grade.

Tests
- Tests are done in Canvas. There will be some form of online proctoring involved and you will be required to turn in work. Details are included in Canvas.
- There are four Tests, each one covering 6-7 sections of material.
- Each Test will have 15 questions that are based on the homework problems. They will be graded on a partial credit basis.
- You get ONE attempt for each Test and there is a 150 minute time limit. Once you start a Test, you must complete it in the same session. When you leave the session (either by Submitting or even if the session is interrupted), whatever work you have done is what your score will be based on.
- You are NOT allowed to use any outside resource (such as phones, notes, books, other people, etc.). For certain Tests, formulas and/or a virtual calculator may be provided by the instructor. All work is required to be your own. Violations of these conditions will result in a score of zero.
- Each Test has a specific window of availability and a deadline, which can be found in the syllabus and in Canvas.
- Each Test is scored out of 100 points.   A missed Test results in a score of zero.
- Each Test counts as 15% of your Class Grade (total of 60%).

Final Exam

- The Final Exam is done in Canvas. There will be some form of online proctoring involved and you will be required to turn in work. Details are included in Canvas.
- The Final Exam will have questions based on the four Tests, so it is comprehensive. They will be graded on a partial credit basis.
- You get ONE attempt for the Final Exam and there is a 150 minute time limit. Once you start the Exam, you must complete it in the same session. When you leave the session (either by Submitting or even if the session is interrupted), whatever work you have done is what your score will be based on.
- You are NOT allowed to use any outside resource (such as phones, notes, books, other people, etc.). Formulas and/or a virtual calculator may be provided by the instructor. All work is required to be your own. Violations of these conditions will result in a score of zero.
- The Final Exam has a specific window of availability and a deadline, which can be found in the syllabus and in Canvas.
- The Final Exam is scored out of 100 points. Missing it will result in a score of zero.
- The Final Exam counts as 15% of your Class Grade.
- If your Final Exam score is higher than your lowest Test score, then the lowest Test score is dropped and its weight in your grade is replaced by the Final Exam. In this case the Final Exam counts as 30% of your Class Grade. A zero score earned by cheating will not be replaced.

Your overall Class Grade is determined by these formulas:

$$Class\,Grade = (.25)*Homework\,Grade + (.75)*\frac{T1+T2+T3+T4+Final\,Exam}{5}$$

Or

$$Class\,Grade = (.25)*Homework\,Grade + (.75)*\frac{Sum\,of\,three\,highest\,tests + 2*Final\,Exam}{5}$$

The results will be rounded to the nearest whole number and you will be assigned a letter grade based on the higher of the two grades and this scale: 90-100 A, 80-89 B, 70-79 C, 60-69 D, below 60 F

ATTENDANCE

There is a required attendance activity that must be completed during the first week of the semester in order to verify that you are a participant in this class and that you understand your responsibilities. The details of the assignment can be found in Canvas. If the assignment is not completed you may be withdrawn from the course. No other form of attendance is a direct part of your grade. You are expected to attend our weekly Zoom meetings however there is no penalty for missing classes.

WITHDRAWING

The last day to withdraw with a grade of W is Friday 10/29. After this deadline, you will not be able to withdraw. You will not be withdrawn by the instructor for any reason, with the exceptions of not doing the required attendance activity during the first week or as a possible consequence of cheating or disrupting the class.

CONDUCT

Students are expected to behave maturely, respectfully, and honestly. You are encouraged to participate in online discussions (including Zoom meetings) where you can interact with fellow students and ask/answer questions. Be respectful and courteous in order to maintain a positive learning environment. Disruptive behavior may have consequences including being withdrawn from the class.

While you are allowed to use any resources you'd like (including help from other people) for Homework assignments, the work you do for Tests and the Final Exam must be solely your own. Receiving any form of help from other people during a Test/ Exam is considered cheating and if discovered will result in zero scores and possible further action according to Valencia College policy.

Students are expected to be aware of all class policies outlined in the syllabus and in Canvas.

RESOURCES

If you have questions about anything, I am happy to help! You are welcome to send me an email or message through the Canvas Inbox. You can expect email responses within 24 hours during the week and 24-48 hours on the weekend. It will also be possible to set up Zoom meetings for live discussions.

There are also other resources available, including online tutoring available through Canvas and the Office for Students with Disabilities (OSD). If you have any learning accommodations established by the OSD, let me know and provide the documentation as soon as possible.

DISCLAIMER

The policies in this syllabus and the related semester schedule may be changed at the discretion of the instructor. Any changes will be announced in Canvas and by email.

SEMESTER SCHEDULE

This semester has 16 weeks. Each week begins on Monday and ends on Sunday. Deadlines for Homework and Tests are indicated.

Week 1 8/23 – 8/29	Orientation 2.1
DUE DATE	Required attendance activity in Canvas Sunday 8/29, 11:59pm
Week 2 8/30 – 9/5	2.2, 2.3
Week 3 9/6 – 9/12	2.5, 2.6
Week 4 9/13 – 9/19	2.7, 2.8
DUE DATE	Homework for Test 1 Due Thursday 9/16, 10:00am
TEST DATES	TEST 1 by Zoom proctoring on Thursday 9/16, 10:00am to 12:20pm
Week 5 9/20 – 9/26	3.1, 3.2, 3.3
Week 6 9/27 – 10/3	3.4, 3.5
Week 7 10/4 – 10/10	3.6, 3.7
DUE DATE	Homework for Test 2 Due Thursday 10/7, 10:00am
TEST DATES	TEST 2 by Zoom proctoring on Thursday 10/7, 10:00am to 12:20pm

Week 8 **10/11 – 10/17**	3.9, 3.10
Week 9 **10/18 – 10/24**	4.1, 4.2
Week 10 **10/25 – 10/31**	4.3, 4.4 **Note the Withdrawal deadline is Friday 10/29**
Week 11 **11/1 – 11/7**	4.7
DUE DATE	**Homework for Test 3** **Due Thursday 11/4, 10:00am**
TEST DATES	**TEST 3 by Zoom proctoring on Thursday 11/4, 10:00am to 12:20pm**
Week 12 **11/8 – 11/14**	5.1, 5.2 **Note there won't be a meeting on Thursday 11/11**
Week 13 **11/15 – 11/21**	4.9, 5.3
Week 14 **11/22 – 11/28**	5.4 **Note there won't be a meeting on Thursday 11/25**
Week 15 **11/29 – 12/5**	5.5
DUE DATE	**Homework for Test 4** **Due Thursday 12/2, 11:59pm**
TEST DATES	**TEST 4 by Zoom proctoring on Thursday 12/2, 10:00am to 12:20pm**
FINAL EXAM DATES	**FINAL EXAM by Zoom proctoring on Tuesday 12/7, 10:00am to 12:30pm**