Fall 2019   **MAC 1140 – Precalculus Algebra – 10244**   **Syllabus**

Instructor: **R. Jose Garcia**
Email: **rgarci12@mail.valenciacollege.edu**
Office: **4-219**
Phone: **407-582-1056**
Office Hours: **M/W   8:00am - 9:55am**
                   T/R   7:30am - 8:25am, 10:00am – 11:00am
                   F   9:00am - 11:00am (available by email)
Website: **http://faculty.valenciacollege.edu/rgarci12/**

Course Description

This class provides the Algebra preparation for the Calculus sequence. Topics include symbolic, graphical, and numerical analysis of polynomial, rational, power, exponential, and logarithm functions; matrices; sequences and series; conic sections; Binomial Theorem; and induction. A minimum grade of C is required if MAC 1140 is used to satisfy Gordon Rule and general education requirements. Prerequisite is College Algebra or equivalent.

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, MyMathLab registration information, course announcements, class notes, test solutions, and your grades. Be sure to check there often.

Text: Precalculus, custom 3rd edition by Ratti and McWaters.

Calculator: TI-83/TI-84 or other graphing calculator is required for this course.

Tests

There will be four in-class tests. You may use a graphing calculator during a test, however there will be no sharing or other devices (phones, tablets, etc.) allowed. If you miss a test you will receive a zero score. No makeup test will be given.

For these four in-class tests, there is an OPTIONAL component, which is to complete a homework assignment available through the MyMathLab online program.

OPTION 1 – Take the in class test only.
OPTION 2 – Take the in class test AND do the MyMathLab problems. Each is worth 100 points. Your overall test score will be weighted 70% for the in class part and 30% for the optional part, and rounded to the nearest whole number. For example, you score 80 on the in-class test (for Test 1) and 100 on the MyMathLab problems. Then your Test 1 score = .70*80 + .30*100 = 86.

Details regarding the optional MyMathLab problems:

1. Each assignment is due on the day of the related test at the time that class starts
2. There will be five questions from each section the test covers. You will have three attempts per question.
3. You may choose to do any or all of these optional assignments.
4. The optional assignment results will only be counted if they help your grade.

Final Exam

There will be a mandatory, comprehensive Final Exam given on Thursday 12/12 from 10:00am to 12:30pm. Your Final Exam score will replace your lowest test score (meaning the Final Exam score counts twice, once for itself and once for the test score it replaces) if doing so improves your grade. There is no optional assignment for the Final.

Grading

Tests and the Final Exam are worth 100 points each, for a total of 500 possible points. Your overall grade is determined by the percentage of points you earn out of this total. This percentage is computed in one of these two ways:

1. (T1 + T2 + T3 + T4 + EXAM)/5   or   2. (Sum of three highest test scores + 2*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

Homework

Textbook homework is not a direct part of your grade. However, test questions will be drawn from the recommended homework problems, so you will benefit by working these problems.

Attendance

Attendance is also not a direct part of your grade, though I will monitor it. You are responsible for all information discussed during class, including changes that may occur to the syllabus.

Withdrawal

The last day to withdraw with a grade of W is Friday 11/1. After this deadline, you will not be able to withdraw. You will not be withdrawn by the instructor for being absent.

Conduct

Students are expected to behave maturely, respectfully, and honestly. In order to maintain a suitable learning environment, disruptions to the class and/or unacceptable behavior (arriving late, talking during class, sleeping during class, use of phones/headphones during class, etc.) may result in being asked to leave the room. This will then lead to a meeting with the Dean of Students to determine the possibility of being allowed to return for subsequent classes. Any instance of cheating will result in an irreplaceable zero score and possible further action according to VC policy. Audio/video recording, photography, and any other uses of phones are not permitted during class.

Resources

If you have questions about anything, I will be happy to help before, during, or after class, during my office hours, or by appointment if necessary. Please do not hesitate to ask! There are also other resources available, including the Math Center in 7-240 (MTWR 8am – 8pm, F 8am – 7pm, Sat 10am – 3pm) and the Office for Students with Disabilities in SSB-102 (407 582 1523).

Disclaimer

This syllabus and the related course schedule may be changed at the discretion of the instructor. Any changes will be announced in class.

T	8/27	Introduction 2.1 9-81
R	8/29	2.2 9-49, 55-73
T	9/3	2.3 9-87
R	9/5	TBA
T	9/10	2.4 9-91
R	9/12	2.5 9-63
T	9/17	2.6 31-63 Review for Test 1
R	9/19	TEST 1
T	9/24	3.1 9-21, 37-53
R	9/26	3.2 9-69, 73-99
T	10/1	3.3 21-53, 65-71
R	10/3	3.4 9-77 7.1 25-73
T	10/8	7.2 25-37 Review for Test 2
R	10/10	TEST 2
T	10/15	7.4 9-75
R	10/17	7.5 9-17, 23-57
T	10/22	7.6 9-51
R	10/24	7.7 9-43
T	10/29	7.8 9-17, 29-53 Review for Test 3
R	10/31	TEST 3
F	11/1	Withdrawal Deadline

T	11/5	8.2	9-55
R	11/7	8.3	9-67
T	11/12	8.4	9-61
R	11/14	9.1	9-91
T	11/19	9.2	9-59
R	11/21	9.3	9-81
T	11/26	9.5	9-75
R	11/28	Holiday	
T	12/3	Review for Test 4	
R	12/5	TEST 4	
R	12/12	FINAL EXAM	10:00am – 12:30pm