

MAC 1140 Precalculus Algebra
Valencia Community College
Syllabus
Fall, 2010

Instructor: Paul V. Flores, Ed.D., Ph.D.

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Office: 4-237

Office Hours: Mon/Wed: 10:00 a.m. – 11:00 a.m.

Tue: 10:30 a.m. – 2:30 p.m.

Thur: 10:30 a.m. – 2:00 p.m.

Fri: 9:00 a.m. – 9:30 a.m. (Online)

Fall Term Dates: August 30, 2010 – December 19, 2011

Final Exam: Tuesday, December 14 from 7:00 a.m. – 9:30 a.m.

Course Description:

Prerequisite: Minimum grade of C in MAC 1105 or appropriate score on an approved assessment. Algebra preparation for the calculus sequence. Topics include a symbolical, graphical, and numerical analysis of polynomial, exponential, logarithmic, power, and rational functions; matrices; sequences; induction; binomial theorem and conic sections. Applications emphasizing connections with other disciplines and the real world will be included. Technology tools will be utilized in addition to analytical methods. Gordon Rule course. Minimum grade of C is required if MAC 1140 is used to satisfy Gordon Rule and general education requirement. Credit not given for both MAC 1140 and MAC 1132 nor for MAC 1140 and MAC 1142 nor for MAC 1140 and MAC 1147.

Valencia Core Competencies:

Valencia desires their graduates to possess and demonstrate a set of global competencies including the ability to think, communicate,

value, and act. In an effort to help you acquire and improve upon your ability to demonstrate these competencies, this course will include activities that require you to:

1. Think clearly, critically, and creatively.
2. Communicate with others in written and verbal form.
3. Make reasoned value judgments and responsible commitments.
4. Act purposefully, reflectively, and responsibly.

Due to the nature of these global competencies, many problems and activities will be presented in the context of an application. These applications will require students to select appropriate information from the problem and communicate effectively how to arrive at an appropriate solution for the problem.

Required Course Materials:

Text: Precalculus with Modeling & Visualization, 4th Edition, ISBN 0-321-56800-1

Calculator: A graphing calculator is required for this course

Class Policies:

Homework: Mathematics is learned by doing homework. It will be assigned every class, and should be completed prior to the next meeting. If you do not do homework, you cannot reasonably expect to learn the material. We will begin every class by reviewing homework problems. You may choose to do the online homework available through course compass. Whether you use the online resources or not, all homework needs to be written out by hand; otherwise, it is impossible to correct your errors. You will not learn anything by sitting in front of the computer and inputting answers WITHOUT working out EVERY detail BY HAND!!!!

Attendance: Attendance is expected of all students except in case of an emergency. If you must miss a class, you are responsible for getting all notes from a classmate. Certainly, I am available for

assistance, but I would not expect a student to be absent more than once or twice. Excessive absences—more than 3—without adequate excuse may result in withdrawal from the course.

Tardiness: All students are expected to be on time, every day. I do know emergencies arise. If you think you will arrive late or you need to leave early, please communicate this to me as soon as you know.

Electronic Devices: Students are **required** to **silence** all electronic devices (e.g., pagers, cellular phones, etc.) during class. If you have an emergency that necessitates keeping the device on, I expect you will communicate this to me prior to the start of class. If it goes off, I do expect you to leave immediately and tend to your business. I will see you next class.

Students with Disabilities

Students with disabilities who qualify for academic accommodations must provide a notification from the Office for Students with Disabilities (OSD) and discuss specific needs with the instructor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities. The East Campus Office is located in Building 5, Room 216.

Withdrawals:

Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who withdraws from class before the withdrawal deadline of November 5, 2010 will receive a grade of "W." A student is not permitted to withdraw after the withdrawal deadline. A faculty member MAY withdraw a student up to the beginning of the final exam period for violation of the class attendance policy. A student who is withdrawn by faculty for violation of the class attendance policy will receive a grade of "W." Any student who withdraws or is withdrawn from a class during a third or