**Prerequisite:** Grade of C or better in MAC 1102, MAC 1104, MAC1105 or appropriate score on an approved assessment.

**Course Description:** Introduction to calculus with applications to business and social science. Topics include differentiation & integration of algebraic, exponential and logarithmic functions, rates of change, curve sketching, applications of the derivative and integral. Minimum grade of C required if MAC 2233 is used to satisfy Gordon Rule and general education requirements.

**Required Educational Materials**

1. **Calculator:** Scientific Calculator (graphing Calculators and symbolic manipulation/CAS calculators that “do algebra or calculus for you” such as TI-89, 86, 84/83, Inspire are NOT allowed on tests. If you use a prohibited calculator on a test the test grade is zero.

2. **TextBook:** Applied Calculus 7th edition WITH WebAssign software code by Waner and Costenoble. ISBN: 978-1-337-29124-8 (Hardback) or 978-1-337-29140-8 (LooseLeaf) with webassign OR WebAssign code only which comes with an online version of the book. (Purchase of WebAssign software code is required whichever option you choose)

**Attendance:** Experience has shown a high correlation between regular class attendance, participation, punctuality & good grades. Therefore, students are expected to attend every class, be punctual and complete all assigned work. Students are responsible for all information presented and announcements made in class when they are absent. In-class activities may not be announced ahead of time and cannot be done in advance or “made up.” Assignments must be submitted on the date they are due. Late work is NOT accepted for any reason. If you know you will be absent for a test, contact the instructor ahead of time to make arrangements. If you are absent for a test without making prior arrangements, the test grade is a zero. (Documented emergencies in which prior arrangements were not possible, as deemed by your instructor, are handled on a case-by-case basis solely at the discretion of your instructor.)

**Cell Phones and Other Communication Devices:** Electronic communication devices should be set such that they do not make noise or distracting visual signals. Ringing, beeping, buzzing, flashing lights, a cell phone that suddenly starts playing your favorite song, or sending messages to others in the same room, is disruptive to the learning environment, disrespectful to the instructor and your classmates. During a test ALL such devices must be turned OFF (not on vibrate). If your communication device is audible during a test, your test may be collected and you may be asked to leave without an option for completion. If you purposefully (for any reason) use a communication device during a test (talking, messaging, signaling etc.), this is considered cheating; your test will be picked up and you will receive a 0 on the test.

**Valencia Core Competencies:** Valencia faculty has defined four interrelated competencies (Think, Value, Communicate, Act) that prepare students to succeed in the world community. These competencies are outlined in the College Catalog. In this course, you will further your mastery of those core competencies. Additional information is available on the college web site at [http://valenciacollege.edu/competencies/](http://valenciacollege.edu/competencies/)

**Academic Honesty:** Students are expected to be in compliance with Valencia College’s policies on academic honesty. Cheating & academic dishonesty of any type will not be tolerated. You are expected to do your own work on exams and assignments. Talking during a test, providing or receiving exam content information is considered cheating. Lying to instructor to request special consideration is also academic dishonesty. Use of more time or resources than procedures define for an assignment or test is academic dishonesty. There are many other forms of academic dishonesty as well that your instructor will handle on a case-by-case basis. The instructor reserves the right to determine appropriate penalties within Valencia policies. **Be Honorable! Stay Honest!**

**Students With Disabilities**
Students with disabilities who qualify for academic accommodations must provide 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 (Bldg: SSB, Room 102) determines accommodations based on appropriate documentation of disabilities. Contact numbers for the OSD office are as follows: 407-582-1523 (Phone), 407-582-1326 (Fax), 407-582-1222 (TTY), 407-992-8941 (VP-Sorenson VRS)

**Code of Conduct**
Valencia is dedicated not only to the advancement of knowledge and learning, but is concerned with the development of responsible personal and social conduct. The instructor believes that the classroom should be a safe learning environment for all people. Actions or utterances that intentionally or unintentionally create the perception of a hostile learning environment for others will not be tolerated. By enrolling at Valencia, a student assumes the responsibility for abiding by the general rules of conduct. Further information may be found in the current student handbook at: [http://valenciacollege.edu/pdf/studenthandbook.pdf](http://valenciacollege.edu/pdf/studenthandbook.pdf)

**Tutoring:** Free tutoring is available in the Math Support Center - Building 7, Room 240. Check it out!
If you are absent, it is your responsibility to find out what, if any, announcements or changes have been made.

WELCOME TO CALCULUS for Business & Social Sciences!