

Calculus for Business and Social Science

Course Syllabus

Spring Semester 2006

Professor: Kurt Overhiser
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Student Engagement Hours:

Monday 4:15pm – 5:15pm (8-206), 9:30pm – 10:00pm (8-206)
Tuesday 3:15pm – 3:45pm (8-206), 5:15pm – 6:45pm (IMC), 9:00pm – 10:00pm (IMC)
Wednesday 4:15pm – 5:15pm (8-206), 9:30pm – 10:00pm (8-206)
Thursday 3:15pm – 3:45pm (8-206), 5:15pm – 6:45pm (IMC), 9:00pm – 10:00pm (IMC)
Friday 8:30am – 9:30am (Cell: 407-381-8176)

Course: MAC 2233 Calculus for Business and Social Science

Catalog Course Description:

MAC 2233 is a three-credit mathematics course that introduces calculus via applications to business and social science. The prerequisite for this course is MAC 1105 (College Algebra) with a minimum grade of 'C' or an appropriate score on an approved assessment. Topics in this course include functions, limits, differentiation and integration of algebraic, exponential and logarithmic functions, rates of change, curve sketching, and applications of the derivative and integration. A student wanting to use this course to satisfy Gordon Rule or general education requirements is required to obtain a minimum final grade of 'C' for the class.

Required materials:

1. *Brief Calculus 2nd edition* by Bill Armstrong and Don Davis
2. TI-83 Graphing Calculator

Attendance:

Regular attendance and class participation are significant factors that promote students success in this course. Attendance is required and will be taken every day at the beginning of class. If a student is not present at that time, he or she will be marked absent. During those days when a student is absent, he or she is responsible for all material covered that day and for any in-class announcements given by the professor. The instructor may exercise the authority to withdraw any student with more than four absences. There will be no excused absences.

Homework:

The homework assignments for the entire course will be given to you during the first week of class. You are expected to read the assigned textbook sections as given in the course calendar, review your notes, and do all assigned homework on a daily basis. With advance notice, students may be asked to put completed homework problems up on the board to be discussed as a class. The key for success in this course is to do the homework. If you are having trouble with the material, be sure to solicit help from the professor anytime during student engagement hours.

Quizzes:

Unannounced take-home quizzes will be given periodically throughout the semester. The problems for these quizzes will usually be taken from the textbook. Quizzes are open book but are to be done individually without help from others. They are due in the first 10 minutes of the next class period. Late assignments will not be accepted. Each quiz will be worth 5 points. Your quiz scores will be converted to a percentage and averaged to give a final quiz score that will be worth up to 100 points of your overall final score at the end of the class.

Examinations:

We will try to stick as closely as possible to the schedule as outlined in the course calendar. Students will be notified at least one class meeting in advance of any changes in exam dates as they appear in the calendar. All exams are cumulative in nature. There will be four in-class exams and a comprehensive final. Each exam will be worth 100 points and the final will be worth 200 points. Exam problems are similar to homework problems, examples in the book and/or examples worked in class. Not taking the final exam will result in a grade of "WF".

Course Grade and Evaluation:

630 – 700 points = A; 560 – 629 points = B; 490 – 559 points = C;
420 – 489 points = D; 0 – 419 points = F

Make-ups:

NO make-up exams will be given. In case of a medical emergency, death in the family, or legal situation, half of the final exam score will replace the missed exam once documentation is received and approved by the professor.

Academic Dishonesty:

All forms of academic dishonesty are prohibited at Valencia. Academic dishonesty includes, but is not limited to, plagiarism, cheating, furnishing false information, forgery, alteration or misuse of documents, misconduct during a testing situation, and misuse of identification with intent to defraud or deceive. Sanctions available to the professor should a violation occur are described in the Valencia Student Handbook or online at <http://valencia.cc.fl.us/policies/PDF/10-16.pdf>.

College Withdrawal Policy:

The College has initiated withdrawal procedures and timelines in response to legislation/rules adopted by the state legislature and State Board of Community Colleges. The deadline to withdraw from this course is in the current catalog, and is also available online at the college's website at <http://valenciacc.edu>. After that date, if you withdraw or are withdrawn from the course, you will be assigned either a WP (withdrawn passing) or a WF (withdrawn failing). Additional information is available in the College Catalog at (<http://valenciacc.edu/catalog/04-05/default.htm>) on pages 62 - 65.

Tutoring:

Walk-by tutoring is given to students in building 4 inside the Instructional Media Center (IMC). The IMC has limited tutoring hours. See the posted hours outside for more details.

Valencia Student Core Competencies:

Valencia faculty have defined four interrelating 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, through classroom lecture and discussion, group work, and other learning activities, you will further your mastery of those core competencies. Additional information is available in the College Catalog (<http://valenciacc.edu/catalog/04-05/default.htm>) on page 14.

CLAST competencies:

The College-Level Academic Skills Test (CLAST) measures the following: reading skills, essay skill, English language skills, and mathematics skills. To the extent possible, you will be encouraged to develop these skills as part of your work in this course. More information can be found in the College Catalog (<http://valenciacc.edu/catalog/04-05/default.htm>) on pages 78-80.

Student Code of Classroom 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. By enrolling at Valencia, a student assumes the responsibility for becoming familiar with and abiding by the general rules of conduct. The primary responsibility for managing the classroom environment rests with the professor. Students who engage in any prohibited or unlawful acts that result in disruption of a class may be directed by the professor to leave the class. Violation of any Valencia policies/procedures or classroom rules may lead to disciplinary action up to and including expulsion from the College. Disciplinary action could include being withdrawn from the class, disciplinary warning, probation, suspension, expulsion, or other appropriate and authorized actions. Valencia's Student Code of Classroom Conduct (Policy 10-18) can be found in the current Student handbook, or online at <http://valencia.cc.fl.us/policies/PDF/10-18.pdf>. Additional information is available in the College Catalog (<http://valenciacc.edu/catalog/04-05/default.htm>) on page 65 - 66.

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.

Disclaimer:

Changes in the syllabus, course calendar, grading procedure, and homework assignments may be made at any time at the discretion of the professor.