

Information about Math 71 for Business and Aviation Majors

Calculus Placement Exam (CPE) Nearly all students who wish to enroll in Math 71 Calculus for Business and Aviation are required to take the Calculus Placement Examination (CPE). Students who want to take Math 71 are only required to take the algebra portion of the CPE exam, and if they do not pass the exam they will be required to start in Math 8 College Algebra. Some review problems are posted on this webpage link: <http://sjsuplacementtester.com/classes/MPE/Review>. Students should contact the Math Department office MH 308, (408) 924-510 in advance to register for the CPE. Sometimes we cannot accept reservations on the day of the exam if there is not enough room. Call the math office (408) 924-5100 or send an email to math-info@sjsu.edu to make a reservation if you can't come in to the math office. There is a \$20 fee charged to students who need to take the CPE to cover the cost of administering the exam. For more information please see our website: www.sjsu.edu/math/calculus

Math Department Workshops The Math Department at San Jose State now offers a series of workshops designed to help students succeed and excel in their lower division math courses. Voluntary workshops are offered for Math 8 and Math 71. In the workshops students work together in small groups on challenging problems to help them understand Precalculus and Calculus concepts more deeply and lay the groundwork for success in Calculus. Students are strongly encouraged to participate in the workshops, and students in math department workshops are encouraged to form student study groups and continue working on their precalculus homework together outside of class. Students who participate in Math Department workshops end up with an average grade of about 0.5 to 1.0 grade points higher than those who do not participate in workshops.

Math 8 College Algebra (3 units) Description: Review of basic algebra. Complex numbers, functions, graphs, polynomials, inverse functions, exponential and logarithmic functions. Prerequisite: Satisfaction of ELM requirement. Prerequisite: Students who want to take Math 8 should make sure that they satisfy the ELM requirement. The usual ways to satisfy the ELM requirement are 1) pass the ELM exam, 2) get an exemption from the ELM exam by getting a score of 550 or higher on the SAT Math Exam or a score of 23 or higher on the ACT Math Exam, or 3) pass the appropriate Developmental Math courses (contact Susan McClory MH 311 susan.mcclory@math.sjsu.edu for more information about developmental math at SJSU).

Math 71 Calculus for Business and Aviation (3 units) Description: Functions and graphs, limits, continuity, differentiation, integration, partial differentiation. Emphasis on business and economics applications. Prerequisite: To be eligible for Math 71 a student must 1) pass the Algebra portion (18/32 points or higher) of the Calculus Placement Exam, or 2) pass Math 8 College Algebra with a grade of C- or higher, or 3) receive a score of 550 or higher on the SAT Math exam or a score of 23 or higher on the ACT Math exam, or 4) receive a score of 3 or higher on the Calculus AB Advanced Placement Exam. Beginning Spring 2013 Math 71 students will be required to register for Math 71W Calculus for Business and Aviation workshop at the same time. In the past students who have participated regularly in math workshops have received an average grade of .50 to 1.0 grade points higher than those students who have not participated in workshops. In Math 71W workshops, students work in small groups solving Calculus problems, to help build their skill and confidence in problem solving.