

**SUFFOLK COUNTY COMMUNITY COLLEGE
MICHAEL J. GRANT CAMPUS
FALL 2009
MAT124 COURSE OUTLINE**

COURSE:	Fundamentals of Precalculus I
SECTION:	MAT 124 CRN 95709
INSTRUCTOR:	Maria Teresa Alzugaray Rodriguez
PRE-REQUISITE:	C or better in MAT111 or successful completion of three years of college preparatory mathematics.
OFFICE:	HSEC-A106
PHONE NUMBERS:	Office: (631) 851 – 6442 Math Secretary: (631) 851 - 6737
E-MAIL:	alzugam@sunysuffolk.edu
OFFICE HOURS:	Monday 10:00 – 11:15 am Tuesday 8:30 – 9:15 am; 2:00 – 3:15 pm Wednesday 12:30 – 1:30 pm Thursday 8:30 – 9:15 am
WEB PAGE	http://www2.sunysuffolk.edu/alzugam

COLLEGEWIDE COURSE DESCRIPTION

Concept of function introduced early and used throughout course. Topics include zeros and graphs of polynomial functions, graphs and asymptotes of rational functions, exponential and logarithmic functions, introduction to trigonometry, angle measurement, right triangle trigonometry, properties and graphs of trigonometric functions.

OBJECTIVES

Upon successful completion of this course, students should be able to:

1. Demonstrate an understanding of a mathematical function including such ideas as the range and domain of functions, symmetric functions, composite functions, and inverses of functions;
2. Sketch graphs of quadratic functions and understand the zeros of such functions;
3. Comprehend the significance of the fundamental theorem of algebra and be able to solve polynomial equations completely by finding the roots;
4. Sketch the graph of polynomial functions;
5. Sketch the graph of rational functions;
6. Sketch the graph of exponential and logarithmic functions;
7. Solve exponential and logarithmic equations, including compound interest;
8. Understand and graph the trigonometric functions and solve applications using right triangle relationships.

PROCEDURES FOR ACCOMPLISHING THESE OBJECTIVES

This is a hybrid course. That means that half of the classes are taught in the classroom and the other half online. The students are expected to participate in problem solving during classes, do the assigned homework and reading and get help during the instructor's office hours if they need it. They are also expected to sign up for the needed

software online and complete the online assignments in a timely manner. There is also free tutoring available at the Center for Academic Excellence in Room HSEC A129 (hours are posted on door).

TEXTBOOK

Algebra & Trigonometry, 8th edition, by Sullivan. Prentice Hall, **packaged with a MyMathLab Student Access Kit**. A stand-alone MyMathLab Access Code can be bought from the bookstore (in the case of used books). Immediate access to MyMathLab can be gained by purchasing online access using a credit card. The students are expected to bring the textbook to every class meeting.

GRADING PROCEDURE

There will be four tests (no make-ups) and a cumulative final exam. Your homework average will represent 10% of the grade; test average 60% and the final exam score 30%. Letter grades are assigned according to college guidelines: 90-99.9 "A", 85-89.99 "B+", 80-84.99 "B", 75-79.99 "C+", 70-74.99 "C", 65-69.99 "D+", 60-64.99 "D", below 60 "F". A grade of 'W' will be given only if the student withdraws officially by returning a withdrawal slip with the teacher's signature to the Registrar's Office prior to the college wide deadline.

The approximate timeline for the tests and final exam is the following:

Test # 1	October 10, 2009
Test # 2	November 4, 2009 (online)
Test # 3	December 16, 2009 (online)
FINAL EXAM	December 21, 2009

ATTENDANCE POLICY

Attendance is mandatory. In accordance with the school policy, all students are expected to attend every session for each course for which they are registered. Students are responsible for all that transpires in class whether or not they are in attendance. The College defines excessive absence or lateness as more than the equivalence of one week of class meetings during the semester. Excessive absence or lateness may lead to failure in a course or removal from the class roster.

IMPORTANT INFORMATION

A student with special needs or disabilities should get in touch with the instructor during the first week of the semester in order for the appropriate accommodations to be arranged. For more information on this matter please contact the Counseling Center at (631) 851-6250.

Any rude or disruptive behavior may be cause for dismissal from a class for one class meeting. In those cases where the continued presence of a student poses a substantial threat or would be disruptive to the class, the instructor can request that the Dean of Student Services impose an interim suspension pending a disciplinary hearing. Cell phones and beepers should be turned off at all times during class time.