MATH 2: Pre-Calculus Algebra & Trigonometry
Section 29212
MW 6:30 PM-9:00 PM, SM 9

INSTRUCTOR: Dr. Anya Kroth
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408-741-2581
anya_kroth@westvalley.edu

Course Description: This is an intensive course covering those topics traditionally found in the separate courses of pre-calculus algebra (Math 1) and trigonometry (Math D). This course is designed for the honor student in mathematics who desires to fulfill the requirements of Math D and Math 1 in one semester.

Prerequisite: A grade of B or better in Math 104 and 106 or 106R or two years of high school algebra and one year of high school geometry with grades of B or better.

Acceptable for credit: University of California (3 units only), California State University.

Course Objectives: Upon completion of the course the student will have a working knowledge of polynomial, rational, exponential, logarithmic and trigonometric functions and their graphs, and will be able to solve trigonometric equations, find rational and complex roots of polynomials, solve systems of equations and inequalities, and prove theorems by Mathematical Induction. The student will also have a beginner's knowledge of sequences and series and the polar coordinate system.

Required Materials: Algebra and Trigonometry: Graphs and Models by Bittinger et al. and a graphing calculator. The TI-83+ calculator is preferred.

Important Note: This course covers the mathematical content while stressing the SCANS skills. See (over) the handout "What is SCANS?"

Grading:
- 80 pt's: Four Special Assignments 20 points each
- 210 pt's: Seven Chapter Exams 30 points each
- 20 pt's: Portfolio (See the handout called "Portfolio" to be handed out during the 5th week of instruction)
- 90 pt's: Final Exam
- Total points: 400 points
- 20 Bonus points (see the handout called "Bonus Points")

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<th>Points</th>
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<tbody>
<tr>
<td>360-up points</td>
<td>A (90-100%)</td>
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<tr>
<td>320-359 points</td>
<td>B (80-89.9%)</td>
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<td>260-319 points</td>
<td>C (65-79.9%)</td>
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<td>200-259 points</td>
<td>D (50-64.9%)</td>
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<td>Below 200 points</td>
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Exams: There will be no make-up exams. However, the final exam grade may be used to replace the lowest chapter exam score. The final exam, comprehensive and mandatory, is scheduled for Wednesday, December 15, 6:30 PM-8:30 PM.

Office Hours: MW 6:00 PM-6:30 PM (SM 9), and by arrangement, Office SM #3B.

Support Services: You can get help from your instructor during office hours or by phone. You can also contact a group member (see Bonus Points). Help is also available from the Math Resource Center, Math Patio and Tutorial Services. The Math Resource Center is located in SM 5; the Math Patio is in front of the SM building. Tutorial Services are located in the Library building. Free drop-in tutoring is available from both the Math Resource Center and Tutorial Services. Check with the Tutorial Center for hours they are open (741-2038).

Attendance Policy: You are expected to attend all classes. According to WVC regulations, you may be dropped from the class if you miss more than three classes.

Drop day: Last day to drop the class with a grade of W is Friday November 19.