Course Description: This course covers functions, limits, continuity, differentiation, maxima and minima, and the beginnings of integration and the relationship between calculus and analytic geometry for elementary functions. The graphical and numerical capabilities of computers and calculators will be used to enhance learning.

Prerequisite: A grade of C or better in Math 1 and Math D, or Math 2.

Acceptable for credit: Acceptable for credit in University of California, California State University.

Course Objectives: Upon completion of the course the student will be able to differentiate and integrate algebraic and trigonometric functions and apply his/her knowledge of the derivative/integral to solutions of applied problems. The student's thinking in mathematical terms will mature and s/he will appreciate the problem solving power of mathematics.

Required Materials: Calculus: From Graphical, Numerical, and Symbolic Points of View, by Arnold Ostebee & Paul Zorn, 2nd ed. (Houghton Mifflin Co: Boston, 2002) and a graphing calculator. Any graphing calculator is acceptable, but the TI-83, TI 83 Plus or TI-92 calculators are preferred.

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

Grading:
- 80 pt's: Four Special Assignments 20 points each
- 50 pt's: Five Quizzes 10 points each
- 200 pt's: Five Chapter Exams 40 points each
- 20 pt's: Portfolio (See the handout called "Portfolio" to be handed out during the 5th week of instruction)
- 100 pt's: Final Exam

Total points: 450 points

20 Bonus points (see the handout called "Bonus Points")

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<th>Points</th>
<th>Grade</th>
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<tbody>
<tr>
<td>405-up</td>
<td>A (90-100%)</td>
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<tr>
<td>360-404</td>
<td>B (80-89.9%)</td>
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<tr>
<td>293-359</td>
<td>C (65-79.9%)</td>
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<tr>
<td>248-292</td>
<td>D (55-64.9%)</td>
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<td>Below 248</td>
<td>F</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 Thursday, December 16, 6:30 PM-8:30 PM.

Office Hours: TTh 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.