**MATH 107 A: Mathematical Models & Applications**  
5 credits, Fall 2005  
A (3681): Daily, 8:30–9:20 in L–120

**TEXT:**  *Excursions in Mathematics* 5th ed. by Peter Tannenbaum

**PREREQUISITES:**  C or better in Math 099 or satisfactory score on the Assessment Test

**INSTRUCTOR:**  Dale Hoffman  L–200L  
web page:  http://scidiv.bcc.ctc.edu/DH/  
Contacting me:  phone: 425–564–2791  e–mail: dhoffman@bcc.ctc.edu  
Office Hours:  10:30 - 11:20 and whenever else I am around (Check my office door).  
Particular times are possible by arrangement. (I have classes at 8:30, 10:30 and 11:30)

**TESTING & GRADING:**  
<table>
<thead>
<tr>
<th>Tests (1 hour each)</th>
<th>300 points</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>100 points</td>
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<tr>
<td>In–class worksheets &amp; &quot;Special&quot; Assignments</td>
<td>100 points (at most)</td>
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<tr>
<td>Final Exam (comprehensive, Wed. Dec. 7)</td>
<td>150 points</td>
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92 ≤ A ≤ 100%  
| 87 ≤ B+ < 89%  | 77 ≤ C+ < 79%  | 67 ≤ D+ < 69%  | F < 57% |
| 82 ≤ B < 87%  | 72 ≤ C < 77%  | 62 ≤ D < 67%  |
| 79 ≤ B– < 82%  | 69 ≤ C– < 72%  | 57 ≤ D– < 62%  |

**NO MAKE–UP TESTS, QUIZZES, or WORKSHEETS.**

However, one missed test (or low test score) may be replaced by increasing the weight of the Final Exam.  
Also, your lowest Quiz and lowest Worksheet will be dropped.

**ATTENDANCE:**  
Be here at every class.  You are responsible for all material covered and all announcements and assignments made at each class.  Simply attending class is not usually enough to learn enough to pass the course, but most students find that attending class makes the material much easier to learn.  I also expect you to devote at least 1 additional hour (and usually 2 hours) each day to reading the text and working problems.  (If you cannot devote this amount of time to the course, you should probably take the course some other quarter when you have the required time.)

**COURSE CONTENT:**  
Chapters 5–8, 1–3, and 13–16.  A few additional topics may be covered in class and in notes supplied by the instructor.

**COMMENTS:**  
This college–level, transferable course is intended for Social Science, Humanities, and Business majors and others who do not need calculus in their majors.  That does not mean it is easier, just different than any math course you've taken before.  You will learn that mathematics involves more than manipulating algebraic symbols and measuring geometric shapes, and that mathematics is useful and used by more people than engineers and economists.  The topics we cover are relatively new (usually less than 50 years old), and they will apply immediately and directly to concrete, real–life situations: routing, scheduling, voting, fair division, and making sense out of data.

I hope that you find this course worthwhile and enjoyable.