POLICIES & PROCEDURES

TIMETABLE/CATALOG INFORMATION

CRN: 13797        Classroom: Whittemore 257

Prerequisites: Math 1205-1206, 1114, 1224, and either 2214 or 2224. A grade of C or better in each of the listed courses or at most one C- and a QCA of at least 2.2 in these courses.

Course Objectives: This course will provide the student with the background necessary to begin formulating and communicating mathematical proofs. The course will include a brief introduction to logic, various proof techniques, set theory, induction, equivalence relations, and mappings.

Writing Intensive: For math majors, this course meets the requirement for an in-major writing intensive course.

Textbook: Notes (Available from the instructor's homepage; see URL below.)

THE HIRED HELP

Instructor: J. T. Arnold        Office: 536 McBryde
Email: arnold@math.vt.edu        Telephone: 231-4291
Homepage: http://www.math.vt.edu/people/arnold
Office Hours: MWF 3:30 – 5:00        T,TH 11:00 – 12:00 & 1:00 – 2:00

GRADING POLICIES

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<th>Activity</th>
<th>Percent of Grade</th>
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<td>Homework</td>
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Grading Scale: A: 90-100; B: 80-89; C: 70-79; C-: 65-69; D: 55-64 For borderline cases, plus or minus grades may be awarded at my discretion. In no case will a plus or minus grade result in a lower grade than that earned according to the scale above.

DAILY GRADE

Policy: You will frequently be given quizzes/assignments to be done in class, either individually or in groups. These will be worth 5 points per assignment with at most two collected per class period. Your Daily Grade average is 5% of your final grade. Assignment of daily grades will commence the second week of classes I do not give makeup assignments for missed daily work.
**HOMEWORK**

**Grading:** I will grade only selected (but unannounced) portions of the submitted homework. Your homework average is 25% of your final grade.

**Group Homework:** You will be organized into groups of three or four to work on designated homework exercises. Each group hands in one paper and those (and only those) who participate with the group in obtaining a solution receive the same grade.

A student who asks not to be assigned to a group or a group member who is unable to participate in an assignment with the group must submit an individual solution.

For the group exercises, you may work with others not in your group, but the paper submitted must represent the group's collective understanding of the solution.

**Individual Homework:** Some of the homework problems will be designated as “Individual Homework.” You may work and discuss these exercises with others, but the work submitted for a grade must represent your own understanding of the solution and cannot be copied from another student.

**Late Homework:** When an exercise assignment is due, it must be turned in during class at the beginning of the period. **Late homework will not be accepted.**

**MISSING WORK/GRADE ADJUSTMENTS**

To cover some missed homework or in-class activity, the total number of points available in each of these categories will be reduced by at least 5%, but your score will not be reduced. **Example:** Suppose you earn 300 of 360 points on homework. 5% of 360 is 18, so your homework score is 300/342. However, scores will not be permitted to exceed 100%.

**TESTS AND FINAL EXAM**

There will be two in-class tests and a final exam. Your Test/Exam average is 70% of your final grade. Tentative dates for the two tests are:

**Test 1:** Chapters 1 and 2, Tuesday, Feb 20

**Test 2:** Chapters 3 and 4, Thursday, Apr 5

**Final Exam:** Saturday, May 5, 3:25 – 5:25 p.m., Whittemore 257

**Missed Tests:** I do not, under any circumstances, give make up tests. Your score (percentage) on the final exam will automatically be substituted for all your test scores (a missed test counts as zero) that are lower than your exam score.
**GRADE CALCULATION**

Use the following variables to calculate your grade average.

**D**: Your daily grade average. (The adjustments described above are automatically included in the scores reported to you.)

**H**: Your homework average. (The adjustments described above are automatically included in the scores reported to you.)

**T1, T2, E**: Your scores on test 1, test 2, and the final exam, respectively.

**T**: Your test average. After test 1 but before test 2, \( T = T1 \). After test 1 and test 2 but before the final exam, \( T = \frac{(T1 + T2)}{2} \). After the final exam, \( T = \frac{[\max(T1,E) + \max(T2,E) + E]}{3} \).

**A**: Your course average. At any point in the term \( A = .05D + .25H + .70T \).

**HONOR CODE POLICIES**

**Group Homework**: Working with others to arrive at a solution is permissible on all homework assignments. Copying the solution of another group, however, constitutes a violation of the honor code. It is also a violation of the honor code on the part of an entire group to falsely claim participation in an assignment by a group member who indeed did not participate.

**Individual Homework**: Working with others to arrive at a solution is permissible on all homework assignments. The work you submit for a grade, however, must represent your own understanding of the solution. In particular, it will be a violation of the honor code to copy another student’s work.

**Tests/Exam**: It will be a violation of the honor code to either give or receive assistance during any test or exam (except as specified by the instructor). Use of cell phones or other electronic communication devices during a test or exam is not permitted.