Math 3034
Index Number 7781
Fall, 1997
Instructor: C. Wayne Patty
Office: 410 McBryde

Office Hours 11:00AM - 12:00PM T, W, Th
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Partially duplicates 2534 and 3434

Prerequisites: Math 1205-1206, 1114, 1224, and either 2214 or 2224
A grade of a 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, relations, and functions.

Writing Intensive: Students who entered as freshmen in the fall of 1995 or thereafter are
required to take a Writing Intensive course in their major. This course meets that requirement for
math majors.


Course Content: Topics from Chapters 1-5.

Final Exam: The final exam is comprehensive. It is scheduled for Thursday, Dec. 18, 10:05AM
- 12:05PM. Giving or receiving assistance during the exam is a violation of the honor code.

GRADING POLICIES

<table>
<thead>
<tr>
<th>Grade Category</th>
<th>Percent of Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attendance, Class Participation, and In-class Work</td>
<td>20</td>
</tr>
<tr>
<td>Individual Homework</td>
<td>20</td>
</tr>
<tr>
<td>Tests (2)</td>
<td>40 (20 each)</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20</td>
</tr>
</tbody>
</table>

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.
ATTENDANCE AND CLASS PARTICIPATION

Daily Grade

You will receive a daily grade as follows:

0  Absent (regardless of the reason)
1  Present but tardy
2  Present and on time
3  Present, on time, and active participant in group work
0-5 additional points for in-class work that is collected

Assignment of daily grades will commence on Tuesday, Sept. 2

Tardiness

You are considered tardy if you arrive after the attendance sheets have been circulated. In that case, you need to come up after class and sign the Tardy Sheet. If your tardiness is beyond your control, then explain the reasons to me. If I find your late arrival justified, I will so note on the Tardy Sheet and no penalty will be assessed. If you have frequent incidences of justified tardiness for the same reason, I will ask that you give me a brief written explanation (signed and pledged) that I can keep in my file.

Necessary Absences

To allow for a small number of absences or late arrivals, 5% of the total points available for the daily grade will be subtracted from the total, but your personal total score will not be reduced. **Example:** Suppose the total number of points possible for the daily grade is 80 and a student earns 65 of 80 possible points. The total number of points is reduced by 5% from 80 to 76 and the student’s grade is $100 \times \frac{65}{76} = 86\%$.

Honor Code Policy

It is a violation of the honor code to initial the attendance sheet for another student.

HOMEWORK

You may work and discuss these exercises with other, 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 in class at the beginning of the period. **Late homework will normally not be accepted.**

Missed Homework

As with Attendance and Class Participation, the total number of points available on homework (both group and individual) will be reduced by 5%. This reduction is intended to cover necessary absences for illness, etc.
Resubmitted Homework

Selected homework sets will be designated as eligible for resubmission. In those cases, papers in which the grade is judged to be less than 80% will not be given a numerical score, but will be returned for a rewrite. The maximum score on the rewrite is 80%. A grade of zero will be given when papers returned for a rewrite are not resubmitted.

Honor Code Policy

It will be a violation of the honor code to copy another students’ homework.

TEST POLICIES

There will be two in-class tests and a final exam.

Missed Tests

I do not, under any circumstances, give make up tests. Your score (percentage) on the final exam will automatically be substituted for your lowest test grade (a missed test counts as zero) provided the exam grade is higher. (WARNING: It is common in a course such as this for the final exam grade to be the lowest test score.)

Honor Code Policy

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).

CLASSROOM DECORUM

Proper conduct in the classroom includes being on time, no food or drink in the classroom, and remaining seated until the instructor dismisses class. I understand and readily accept that there will necessarily be occasions when these courtesies cannot be observed, but those occasions should be the exception.

TARDINESS

Tardy students are the primary disruptive factor in a class, and I intend to be rather intolerant of late arrivals. I am not bothered by occasional and/or unavoidable exceptions. If you are routinely tardy and there are compelling reasons for it, you need to clear these with me. When you are unavoidable tardy, enter the classroom quietly and proceed directly to your seat. Do not come up to the front desk to turn in work, to pick up work, or to sign in, and do not disrupt other students by asking questions about what has already happened in the class. Come up after class to sign in on the tardy sheet and take care of other business.

LEAVING CLASS EARLY

Once in class, you should remain there until class is dismissed. Clearly there are exceptions. When possible, the instructor should be notified in advance that you must leave class early. When early notification is not possible, you should explain to the instructor the reason for your early departure as soon as possible thereafter.