

MATH 707, Section 1, MW 1-2:15, Fall 2008

You are to read and be familiar with the information and policies below.

(September 3rd draft)

Professor: Dr. DuBose, Associate Chair. **Office:** CBC B312. **Phone:** 895-0382. **Email Address:** dubose@unlv.nevada.edu

Required Book for the Course: Third Edition of Real Analysis by H. L. Royden.

Recommended Book for the Course: Real and Abstract Analysis by Edwin Hewit and Karl Stromberg.

Recommended Reading: Real Analysis, C. Webster's (online) notes, especially Chapter 1.

Standard Undergraduate Analysis References: Principles of Mathematical Analysis by Walter Rudin. Mathematical Analysis by Tom Apostol.

Course Prerequisites: MAT 658.

Class Schedule: MAT 707 CBC C322A 1-2:15pm MW

Set Theory Seminar, CBC 232A, 1-2:15pm on Fridays

Email Correspondences: Type "Math 707 Fall 2008" under the Subject listing in all email correspondences to me. As Associate Chair, I receive a large amount of email, and this will make it possible for me to sort and locate the emails concerning Math 707. Feel free to follow "Math 707 Fall 2008" by any additional information but do start the subject listing as "Math 707 Fall 2008" so that I may locate your email correspondence by sorting.

Office Hours: Tentatively 2:20-3:50pm on MW. Any changes in and/or rescheduling of my office hours will be announced in class. Note that office hours are neither a substitute for a private tutor nor a substitute for attending class, but are instead to provide some additional help and/or clarification of course material.

Final: The Final for Math 707 is on Monday December 8 starting at 1pm (see UNLV's online final exam schedule). The Final is comprehensive, covering all the topics presented in class. I often provide assigned seating for the Final for my classes.

Grading Policy: Except for possibly lowering your overall final grade due to missing classes, talking during class, etc., your final grade will be based on homeworks, quizzes, your final, and two to four tests (most likely three tests). The homeworks collectively have the same value as one test. The quizzes also collectively have the same value as one test. The final has twice the value of one test. So in the case of three tests, your final is worth two-sevenths of your overall grade and each of the following accounts for one-seventh of your overall grade: (1) quizzes, (2) homeworks, (3) Test 1, (4) Test 2, and (5) Test 3. Duplicate exams (tests, quizzes, and the final), talking during exams, etc. will result in a score of 0% being recorded. Any questions concerning such scores should be handled outside of class (preferably during office hours), as the limited class time needs to be spent on covering the course material and going over homework.

Changes to Grading Policy: Any changes in the above proportions will be announced in class.

Tests and Quizzes: Tests will be announced in class approximately one week in advance. I may have assigned seating during tests and quizzes. Tests will typically be graded and returned approximately one week after the day on which they are taken. Duplicate tests, talking during exams (tests, quizzes, and the final), etc. will of course result in a score of 0% being recorded. Make-up exams (tests and quizzes) are rarely permitted so that a missed exam typically results in a score of 0%. If you must miss an exam, email me as soon as possible before the exam indicating the emergency keeping you from class. (Please email me at least 24 hours before the time of the exam. Earlier is better!) If a make-up exam is permitted, I shall need documentation of the emergency and I shall provide you with a date and time for the make-up (sometime during the semester or during final's week). The make-up exam will likely be more difficult than the regular exam. Note that the new make-up exam will need to be made and graded, but priority will be given to making and grading class exams, not individual make-up exams (thus, make-up exams may not be graded and returned until the end of the semester).

Sign-in Sheet: ATTENDANCE IS MANDATORY. Students are expected to attend every class. The final grade of students who miss three or more classes may be lowered due to lack of attendance. The classroom setting cannot be replicated outside the classroom. Also, you need to attend to obtain quiz and test information, copy the homework assignments, etc. We cover three credits worth of 700-level material and therefore can only repeat lectures during office hours. Each class period is equivalent to 1.5 regular fifty-minute class periods so that missing one day of class can be devastating.

Class Courtesy: Please use basic common courtesy in my classroom and in relating to your Abstract Algebra classmates. In particular, during lectures, refrain from conversing with one another (including conversations concerning homework). Such conversations will result in a lowering of the final grade, as such conversations interfere with other students being able to follow the lecture and passing my course. Class time needs to be spent on lecturing, going over homework, or in other words, on material relevant to all students in the class. Questions concerning the lectures and homework problems are typically relevant. However, individual questions about grading need to be addressed outside of class during office hours so as not to interfere with the other students' time. Conversation and interaction between students, especially concerning the course material, is certainly encouraged before, after, and outside the class time.

Labeling Homeworks, Quizzes, and Tests: Separate homeworks must be written up on separate sheets (e.g. do not combine homeworks 1 and 2). Put your name and course number on all tests, quizzes, and homeworks. Also put the homework assignment number, the course number, **semester**, **year**, instructor name, and **your name** (e.g. HW #1, MAT 707 Fall 2008, Dr. DuBose, Ronnie Rebel) on each homework so that it may be processed. Homeworks, quizzes, and tests without such information may not be graded or points will likely be deducted; all of these need **your name** in order for a grade to be recorded. Staple all pages of each homework together. The classroom does not have a stapler available so you will need to make your own arrangements.

Homework: You shall regularly receive homework assignments. Selected homework problems may be graded from each homework. If you miss a class, you are encouraged to obtain the assignment from a fellow student or from me during my office hours. Class time must be spent on lecturing, etc. for the entire class and it is inappropriate to stop class to provide a homework assignment for one student. I encourage you to have a "class contact" which I believe can be helpful in a number of ways.

There are a number of reasons for the Homework. Some of the course material needs to become second nature; the homework will help you practice and achieve this. Further, I cannot quiz or test you on every item. The homework is a place where you formally work on such items, as well as encounter certain problems that you should at least be aware of. The homework is also a place to encounter problems that are not immediate and require some thought beyond what most students can do as part of an in-class exam.

Read the Book: Keep in mind throughout the course that math is not a spectator sport and that you will not learn mathematics by just watching others do it. Even though I realize it is very painful, **read the book!** Read the material before I cover it. You will probably not understand everything you read. However, you will get more out of the lectures if you already have some familiarity with the material I am covering. It is difficult to grasp concepts all at once.

Book Keeping: Keep a record of which homeworks you turn in, and keep all old homeworks, quizzes, and tests so that you may calculate your grade. You will need these materials to study for future tests and the final. Though I can assist you in calculating your grade, it is your option for you to calculate your grade before the end of the semester.

UNLV Drop Policy: Monday November 3, 2008 is the final date to withdraw or drop the class (or change from credit to audit). No drops are allowed after this date, even with instructor approval, and drops need to be processed by 5pm.

Holidays. **Labor Day Recess:** Monday, September 1. **Nevada Day Recess:** Friday October 31.
Veteran's Day Recess: Tuesday November 11. **Thanksgiving Recess:** November 27-28.

Study Week December 1-6: I might provide you with quizzes during study week, to assist you in reviewing the course material and give you added incentive to study. Recall that faculty are encouraged to refrain from giving one-hour, sit-down, written exams during Study Week, but the policy does not affect many activities including quizzes. You may review the exact wording of the policy concerning Study Week online under UNLV's Final Exam Schedule.

Disabilities: If you have a documented disability that may require assistance, you will need to go to the Disabilities Resource Center for coordination in your academic accommodations. The Disabilities Resource Center is located in the Reynolds Student Services Center, room 137, and has the phone number 895-0866 (TDD 895-0652).

Conferences: I shall announce in class the dates of any conferences which I need to attend and conflict with our class.

W Grade: The Regents have re-established the W grade for UNLV transcripts: if a student drops after the first week of class, a W will be placed on the transcript. The W does not effect the GPA.

Academic Dishonesty Statement. During the semester, I shall hand out the college's scholastic dishonesty form. The college emphasizes a zero tolerance for academic dishonesty, so make sure to read, sign, and turn in the scholastic dishonesty form.

Please sign and return this portion of the Fall 2007, MAT 453/653 syllabus to Professor DuBose.

“I have read the entire MAT 453/653 syllabus and understand the policies and information provided therein. Furthermore, I understand that attendance is mandatory, that I will be expected to complete the homework assignments, read the sections of the book covered in class, and use basic common courtesy in the classroom.”

Student's Signature _____ Date _____

Qualification Sheet

MAT 453/653 Section 1 (1-2:15 TR), Fall 2007

Name (please print): _____ Date _____

Social Security Number _____ Local Telephone: _____ Email Address: _____

Your enrollment in this course is based on one of the following methods of qualification. Please fill out the appropriate section (the most recent only) and attach the appropriate materials.

1. PREREQUISITE COURSES MAT 251 and 330 COMPLETED AT UNLV

(Note: C- is not a passing grade.)

In this case, attach copies of the grade sheets or transcripts verifying your grades in MAT 251 and 330.

MAT 251 Semester/Year: _____ Grade: _____ Instructor: _____

MAT 330 Semester/Year: _____ Grade: _____ Instructor: _____

2. REPEAT OF THIS COURSE AT UNLV (Note: A withdrawal is not considered a repeat)

In this case, attach a copy of the grade sheet or transcript verifying your grade in MAT 453/653.

Semester/Year: _____ Grade: _____ Instructor: _____

3. PREREQUISITE COURSES COMPLETED AT ANOTHER COLLEGE

In this case, attach copies of the relevant grade reports or transcripts and also attach copies of the relevant course descriptions from that College's Undergraduate Catalog.

Course replacing MAT 251: _____ Grade: _____ Semester/Year: _____

Course replacing MAT 330: _____ Grade: _____ Semester/Year: _____

College Name _____

College's Address/Location _____

“I affirm that the information given above is correct.”

Student's Signature _____ Date _____