[Draft of January 9, 2018]
COURSE: Math 2574H: Honors Calculus IV, Spring 2018
MWF 10:10-11:00, Fraser Hall 101
University of Minnesota, Twin Cities Campus

INSTRUCTOR: Prof. Greg W. Anderson (VinH460, 5-9524, gwanders@umn.edu)
OFFICE HOURS: To be posted on the course web page
COURSE WEB PAGE: www.math.umn.edu/~gwanders/Math2574H
TEACHING ASSISTANTS:
Sumeyra Sakalli (Sections 011, 014), Andy Hardt (Sections 012, 013), Lilly Webster (Sections 015)


TESTS:
   Midterm I: Friday, February 16, 2018 (10:10-11:00, in class)
   Midterm II: Friday, March 23, 2018 (10:10-11:00, in class)
   Midterm III: Friday, April 20, 2018 (10:10-11:00, in class)
   (Last day of instruction: May 4, 2018)
   Final exam: Monday, May 7, 2018 (noon-3pm, loc. TBA, not the regular classroom)

CALCULATOR/TECHNOLOGY POLICY: (i) Any calculator may be used during an exam, but I draw the line at laptops--these are forbidden, and I also forbid the storage of notes on a calculator for use during an exam. (ii) All electronic devices other than calculators (cellphones, earphones, etc.) are banned from exams---any such item you bring to the exam you must stow, turned off, under your seat, and out of easy reach. (iii) For taking exams you are required to have a calculator capable of basic matrix operations (determinants, reduced row echelon form, matrix addition and multiplication, eigenvalues, and eigenvectors). Most of the recent graphing calculators have such matrix capabilities. Please read the instruction manual to make sure. Don't buy any calculator until you're sure it has the needed matrix capabilities.

MAKE-UPS: Exam absences due to recognized University-related activities, religious holidays, verifiable illness, and family/medical emergencies will be dealt with on an individual basis. In all cases of absence from exams a written excuse is required for a make-up to be granted. In cases of foreseeable absence, e.g., university sanctioned sports activities, please bring these to my attention in advance, as soon as possible, bringing me appropriate documentation. Ignorance of the time and place of an exam will not be accepted as an excuse for absence from an exam. The date and time of the final exam is set in stone: you commit to that date and time when you register for this course.

SPECIAL NEEDS: Some students may need accommodations that have been cleared through Disability Services. These students should let me know of their needs within the first two weeks of the semester so that accommodations can be set up in advance for the whole semester.

INCOMPLETES: I will consider giving you an incomplete if you have successfully completed all but a small portion of the work of the course and some severe, unexpected life event prevents you from completing the course. This means that you must have taken two midterms and must be doing work at the C level or better. You will have to sign a contract detailing the work needed to complete the course. I cannot give you an incomplete simply because you are behind in your work---in the latter case, you should drop the course. You may drop without permission from your college up through the 8th week of the semester.

STATUTE OF LIMITATIONS: Requests for regrading of written work (midterm exams and homework) will be honored only for a period of one week after the items in question have been returned to the class. Failure to pick up an item when it is returned to the class does not stop the clock on the statute of limitations unless there is a written excuse for the absence.
A link to official UNIVERSITY POLICIES is posted on the course web page. Among these policies I especially draw your attention to those concerning grading standards and scholastic conduct. Academic dishonesty in any form will not be tolerated.

PROCEDURE FOR CALCULATING GRADES IN MATH 2574H:

For each student, the TA will compute a total score (on a scale of 0-1000) by adding up midterm exam scores, (each of the three on a scale of 0-200), the total homework score (on a scale of 0-100), and the final exam score (on a scale of 0-300). The TA will also compute a total exam score (on a scale of 0-900) which is the total score from which homework points are excluded. The total exam score reflects all your work that has been graded in uniform course-wide fashion. Grades are determined from the total exam score and the total score by a two-step procedure. The first step is to make course-wide grade-lines for the total exam score. The second step is to make grade-lines recitation-by-recitation for the total score using the grade-distribution within the recitation determined by the first step. The second step takes homework into account in a way that compares your homework performance only with others in your recitation. Plus-or-minus a few points, we do not use grade-lines for the total score stricter than these: A:1000-930, A-:929-900, B+:899-870, B:869-830, B-:829-800, C+:799-770, C:769-730, C-:729-700, D+:699-675, D:674-620, F:619-0. The grading system rewards steady hard work and does not leave much room for miraculous recovery at the end of the semester.

Here's a more detailed description of coursework counting toward your grade:

MIDTERMS: There are three midterm exams, each of 50 minutes and given in class on a Friday. The ground rules are closed book, closed notes, open calculator, but no stored notes on your calculator. I will base exam questions on homework problems without quoting verbatim and with some `mixing and matching.' There will be no multiple-choice questions. For full credit, you will have to show not only correct final answers, but also a sufficient amount of correct well-organized legible work to justify your final answer. In general, partial credit will be awarded for correct setup and for making substantial well-organized progress toward a solution. Mistaken setups leading to spurious simplification will be awarded little partial credit.

HOMEWORK: Homework is assigned once a week and is due on Tuesdays at the beginning of recitation. Homework assignments due on a given Tuesday will have been posted on the course web page on Monday of the previous week. No late homework will be accepted. We drop the lowest homework score, so you should be covered for one typical homework emergency. Handing in homework that is almost identical to a classmate's work is a form of cheating that will not be tolerated. You are required (i) to show methods of solution, not just final answers, (ii) to explain yourself clearly enough to be understood not only by your teachers but also by your peers, and (iii) to use notation and methods correctly. These are the same standards we uphold on exams.

FINAL EXAM: The final exam is 3 hours long. The test is cumulative, covering all course material, with a bit more emphasis on material coming later in the course or which has not previously been tested. The ground rules are the same as for the midterms: closed book, closed notes, open calculator, but no stored notes on your calculator.

WEB DISCLAIMER: We will do our best to keep information on the web page for Math 2574H current. But the web page is not guaranteed to be nor is it intended to be a substitute for attendance. Students are held responsible for all announcements and all course content delivered in class and in recitation.