

TEXT: Real Analysis, by William F. Trench

Available for free at: <http://iopenshell.usc.edu/forum/topic.php?id=3006>

PROFESSOR: Daniel Grubb

OFFICE and OFFICE HOURS: Watson 328, MWF 10:00-10:50am, 1:00-1:50pm

GRADES: Grades will be based on weekly homework, two hour exams and one final exam. The homework sets are worth 25 points each and the highest 12 will be used to compute the grade. The hour exams are each worth 100 points and the final exam is worth 200 points. This gives a total of 700 points for the course.

It is expected that students will work together on homework problems, but that each student will *independently* write up the resulting proofs. Late homework will not be accepted without prior approval.

COURSE CONTENT: MATH 431 is a proof based course that continues from the material in MATH 430. We will study aspects of sequences and series of extended real numbers and results concerning the calculus of functions of several variables. The student will be expected to write proofs in the homework and to know the major definitions and theorems on the exams. Simple proofs may also be required on exams.

ACADEMIC CONDUCT: Academic honesty and mutual respect (student with student and instructor with student) are expected in this course. Mutual respect includes being on time for class and not leaving early, being prepared to give full attention to class work, not reading newspapers or other material in class, not using cell phones or pagers during class time, and not looking at another student's work during exams. Academic misconduct, as defined by the Student Judicial Code, will not be treated lightly.

DRC STATEMENT: If you need an accommodation for this class, please contact the Disability Resource Center as soon as possible. The DRC coordinates accommodations for students with disabilities. It is located on the 4th floor of the Health Services Building, and can be reached at 815-753-1303 or drc@niu.edu.

Also, please contact me privately as soon as possible so we can discuss your accommodations. Please note that you will not be required to disclose your disability, only your accommodations. The sooner you let me know your needs, the sooner I can assist you in achieving your learning goals in this course.