Instructor:  David Goldberg  
Office:  MATH 640  
Phone:  49-41919  
Office hours:  M,W, TH 2:30-3:30, or by appointment  
e-mail:  goldberg@math.purdue.edu  
Course Homepage:  www.math.purdue.edu/~goldberg/Math301/math301.html  
Textbook:  Introduction to Proofs and Real Analysis, Notes by Richard Penney

The notes are being made available on the course web page.

Course Outline: We will try to cover all 11 chapters of Penney’s notes. As the course and book titles indicate, the purpose of the course is to develop your ability to read and construct proofs by studying Real Analysis, i.e., fundamental properties of the real number system.

Homework:  Homeowrk is assigned and collected each day unless otherwise stated explicitly. The homework assignments are being posted to the course web page daily. I will usually announce the assignemnt in class, but if not, that doesn’t mean homework is not assigned. The course web page is the official source of the assignments. Homework is due at the beginning of each class. You should make a careful note to yourself of any questions you have before handing in the work, so that you can ask.

Quizzes: There will be 8-10 short (10-15 minute) quizzes.

Exams: There will be three midterm exams. These exams are tentatively scheduled for Wednesday February 2, 7:30-9:30 PM, UNIV 303; Wednesday March 2, 7:30-9:30 PM, UNIV 303; and Wednesday April 6, 7:30-9:30 PM. The exams are designed to be 1 hour exams, i.e., I expect you should be able to complete them in an hour. There will be a final exam, which will be a two hour exam with the time and place to be announced. In compensation for these evening exams, there will be three classes cancelled in the course of the semester. The date of these cancellations will be announced later.

Grades: Your numerical grade will be determined as follows:

Homework 100 points
Quizzes 100 points
Midterm exams 300 points
Final exam 200 points

700 points

Academic Adjustments: Students who have been certified as eligible for academic adjustment by the Office of the Dean Of Students (ODOS), Adaptive Programs (AP), should go to MATH 909 and request the information sheet for this semester, explaining
how to proceed to receive appropriate adjustments in this class. This should be done during the first week of classes. Only those students certified by ODOD AP are eligible for such adjustments. Students currently undergoing evaluation to determine if they are eligible for academic adjustment are encouraged to find out now what procedures they will have to follow when they are so certified by requesting the information sheet for this semester from MATH 909. Large print versions of the information sheet are available on request from MATH 909.