Math 2070

Applied Analysis II

Winter 2011

Instructor: Greg Lee   **Office:** RB 2005 **Phone:** 346-7867 **Email:** glee@lakeheadu.ca

Class Times: MWF 11:30-12:30 in RB 1042. There is also a lab, Tuesday, 11:30-12:30 in RC 0005 (beginning the second week of classes)

Office Hours: Monday and Wednesday, 1:30-2:20

Texts: *Advanced Engineering Mathematics, 3rd Edition* by D.G. Zill and M.R. Cullen, and *Miller & Freund's Probability and Statistics for Engineers, 8th Edition* by R.A. Johnson.

Material to be Covered: We will spend approximately the first half of the course on linear algebra (matrices, systems of equations, vectors, etc.) from the Zill and Cullen book, and the remainder of the course on an introduction to probability and statistics (discrete and continuous probability, hypothesis testing, etc.) from Johnson's book.

Grading Scheme: Assignments will be distributed on a regular basis (normally one per week) to be submitted for grading. These will account for 15% of your final grade. Please note that late assignments will not be accepted under any circumstances, but your lowest assignment mark will be dropped in calculating your final grade. There will be one in-class midterm, tentatively set for February 16, which will account for 25% of your final grade. The final exam (which covers the whole course) will be held during the final exam period, as scheduled by the university, and it will account for 60% of your final grade. Note that for both the midterm and final exam, you may bring a scientific calculator into the exam, but it must not be programmable and it must not have linear algebra capabilities. For the final exam (but not the midterm), you will be allowed to bring in one double-sided 8.5x11" sheet of notes.