

**Math 2070**

**Applied Analysis II**

Winter 2014

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

**Class Times:** MW 10:00-11:30 in RC 1001. There is also a lab, Friday, 10:30-11:30 in UC 0050.

**Office Hours:** Monday and Friday, 1:30-2:20

**Texts:** *Advanced Engineering Mathematics, 4<sup>th</sup> Edition* by D.G. Zill and W.S. Wright, and *Miller & Freund's Probability and Statistics for Engineers, 8<sup>th</sup> 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 Wright 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 10% 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 26, which will account for 30% 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.