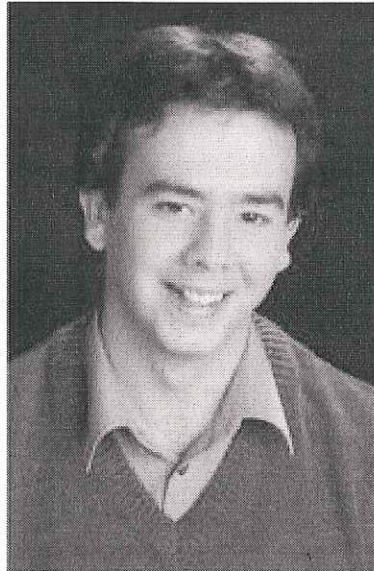NUMBER THEORY AND COMBINATORICS SEMINAR
Mathematics & Computer Science

Dr. Timothy Trudgian
(University of Lethbridge)

Monday – March 12, 2012
Room: E575
Time: 12:00 to 12:50 p.m.

TITLE: Some mathematics in voting

ABSTRACT:
Many countries employ different voting systems, each with its own advantages and disadvantages. In Australia the 'preferential' voting system is used: candidates are numbered 1 through to n. One disadvantage is a theoretical occurence of non-monotonicity: essentially candidates can be ranked more highly and yet they, almost paradoxically, perform more poorly. The debate about the likelihood of such a paradox has influenced recent decisions (notably in the UK) about whether a particular voting system should be adopted. I will try to sketch a mathematical approach to this problem.

EVERYONE IS WELCOME!

Visit the seminar page at http://www.cs.uleth.ca/~nathanng/ntcoseminar.html