

Mathematics 315
Fall, 2008

- Instructor:** James Preen (email: james_preen@cbu.ca, phone 563 1181)
- Office:** A-129A (first floor, A-wing, at the bottom of the ramp)
- Office Hours:** after my classes until around noon, or by appointment
- Class meetings:** Tuesday noon, Thursday noon (room CE308)
- Grading:** There will be take-home assignments following each section.

Past exams, questions and handouts for the course are available on the web at <http://faculty.capebretonu.ca/jpreen/math315.html> and extra questions may be assigned or requested at any point in the course. Students are encouraged to ask for clarification on the material both during and after classes. Academic regulations concerning penalties for plagiarizing and cheating (pp. 225-226 of the academic calendar) will be rigidly enforced in this course.

Major Topics:

- Counting and Combinatorial Proof
- Generating Functions
- Graph Polynomials
- Ramsey and/or Game Theory
- Codes and Combinatorics of Words