

Mathematics 325
Winter, 2008/09

- 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:** Monday 1-3, Tuesday 9-10:30, Thursday 10-12, or by appointment
- Class meetings:** Tuesday noon, Thursday noon (room CE318)
- 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/math325.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. 27-28 of the academic calendar) will be rigidly enforced in this course.

Major Topics:

Divisibility and Prime Numbers

Congruences and Cryptography

Number theoretic functions

Quadratics and Continued Fractions

Base Arithmetic, Factorisation