

Mathematics 2101: Fall, 2011/12

Instructor: James Preen

Office: A-129A (first floor, A-wing, at the bottom of the ramp)

Office Hours: After class or by appointment

Class meetings: Lectures Mondays and Wednesdays 8:40 - 9:55am in Room CE306

Textbook (Optional): Discrete and Combinatorial Mathematics: Ralph P. Grimaldi

	Tests/Assignments	40%
Grading:	Mid-term test	20%
	Final exam	40%

There will be one mid-term test, held in class sometime in October. The Final exam will be held during the regular examination period in December. Upon completion of each section of the course some sort of test or assignment will be given. All tests including the final examination will be “open-book” in that any material at hand can be consulted during the test but no collaboration or other outside assistance is allowed.

Past tests and exams are available on the course website:

<http://faculty.capebretonu.ca/jpreen/205/index.html>.

Academic regulations concerning penalties for plagiarizing and cheating (pp. 39-40 of the university calendar) will be rigidly enforced in this course. A supplemental exam for the course will not be made available.

Major Topics:

- Sets, relations and functions
- Logic and proofs, including mathematical induction
- Introductory combinatorics
- Basic graph theory
- Research methods