

Department of Mathematics and Statistics
Dr. R.A. Mollin

PMAT 427: L01, MWF @ 12:00 in MS 431

Prerequisite: Pure Mathematics 315 or consent of the Division.

Required Text: Fundamental Number Theory with Applications,
R.A. Mollin, Chapman & Hall/CRC Press, Boca Raton, New York, London,
Tokyo (1998).

Syllabus

Topics

Chapter One — Arithmetic of the Integers
Chapter Two — Congruences
Chapter Three — Primitive Roots
Chapter Four — Quadratic Residues
Chapter Five — Continued Fractions
Chapter Six — Diophantine Equations

Tutorials: Tutorials are held each Thursday at 13:00 in ST 057.

Grading: There will be 5 in-tutorial tests worth 10% each, and a final exam worth 50%. There will be no mid-term. The following schedule, applies for the exams and tests:

TEST#	Date	Place	Time
1	September 27	ST 057	13:00
2	October 11	ST 057	13:00
3	October 25	ST 057	13:00
4	November 8	ST 057	13:00
5	November 22	ST 057	13:00

Note that there is no tutorials on Sept. 13th or 20th.