

MATH 392 (MATH 613A)
Elementary Number Theory
Fall 2013

Instructor: Dr. H. Kisilevsky, Office: LB 927-13 (SGW), Phone: (514) 848-2424, Ext. 3226
Email: hershy.kisilevsky@concordia.ca

Office Hours: TBA

Text: *Elementary Number Theory*, 2nd Edition, by Charles Vanden Eynden, Waveland Press.

Final Grade:

There will be a Mid-term exam	30%
Final	60%
Assignments	10%

Content: Topics to be covered:

- Euclidean algorithm, gcd, lcm, primes, fundamental theorems of arithmetic;
- congruences, solving linear congruences, Chinese remainder theorem, higher order congruences;
- quadratic reciprocity;
- factorization, primality testing;
- diophantine equations.