DEPARTMENT OF MATHEMATICS
California State University, Bakersfield
MATH 524 – Number Theory and Cryptography

Instructor: Charles Lam
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Class times: 6:45-8:45MR, SCI 3-120, 6:45-8:45T, SCI 3-127

Office Hours: 2:15-4:15MT, 3-4:15R, 6:15-6:45MTR, or drop by when I am in.

Text: Elementary Number Theory in Nine Chapters, by James J. Tattersall, 2nd Ed, ISBN 0-521-61524-0

Reference Text: The Code Book: The Science of Secrecy from Ancient Egypt to Quantum Cryptography, Simon Singh, ISBN 0-385-49532-3

Course Objectives: This course is a study of number theory. In particularly, applications in cryptography will be discussed.

Web page: The web page for the course is at http://www.csub.edu/∼clam/math524s09.html

Homework: Every week, homework problems will be assigned and is due on the day of the lab the week after.

Labs: Labs are conducted every Monday. You will be using the software Maple to experiment with number theoretic problems.

Grading: In addition to homework, there will be one midterm test, and a take-home final exam (cumulative).

Homework	30%
Lab	15%
Midterm Test	20%
Final Exam	35%