

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

Instructor: Charles Lam

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Class times: MTR 4:15-6:15, Room TBA

Office Hours: 3:30-4:15M, 3-4:15TR, 6:15-7:00MTR, or drop by when I am in.

Text: Elementary Number Theory, by Gareth A. Jones and J. Mary Jones, ISBN 3-540-76197-7

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 particular, applications in cryptography will be discussed.

Web page: The web page for the course is at <http://www.csub.edu/~clam/math524s10.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	20%
Lab	20%
Midterm Test	25%
Final Exam	35%