Math 422: Coding Theory Winter 2008

Lectures:

Tue, Thu: 9:30-10:50 CAB 357, beginning January 8, 2008

Instructor:

Jochen Kuttler Office: CAB 685 E-mail: jochen.kuttler@ualberta.ca

Office hours:

Tue, Wed, Thu 13:00-14:00, or by appointment

Course web page:

The web page for this course is at the URL:

http://www.math.ualberta.ca/~jkuttler/math422

Course description: (from Calendar)

Elements of group theory, cosets, Lagrange's theorem, binary group codes, polynomials, finite field theory, error correcting codes. Prerequisites: MATH 228 (or 223, or 128), any 300-level MATH course.

Textbook:

There is no required textbook. However we will follow Hill, Raymond: A First Course in Coding Theory, Oxford University Press, 1988

Assignments:

Assignments are due by the date indicated on them (usually a Thursday) during class. Assignments are posted online on the course web page.

Exams:

Midterm exam	Thu, February 28, 9:30	NB there will be no deferred midterm exam
Final exam	Tue, April 23	Time and location TBA
All exams are cle	osed book examinations.	No books, no calculators, no notes are allowed

Student ID (i.e. ONECard) must be brought to exams.

WARNING: Students must verify the final exam date on BearTracks when the Final Exam Schedule is posted.

Weights: The mark for this course will be determined as follows:

Assignments	15%
Midterm exam	35%
Final exam	50%

Notes

Policy about course outlines can be found in section 23.4(2) of the University Calendar.

The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behaviour (online at www.ualberta.ca/secretariat/appeals.htm) and avoid any behaviour which could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Academic dishonesty is a serious offence and can result in suspension or expulsion from the University.

Created January 7, 2008, by Jochen Kuttler