MA5231, Spring 2005
Error-Correcting Codes
TR 15:35-16:50 pm, Room Fisher 327B

Instructor: Professor Vladimir D. Tonchev, Fisher 308, 487-3360

Office hours: MTWR 1-2 pm, or by appointment


Additional texts:

Prerequisites: Linear algebra (systems of linear equations, linear dependence, matrices),
abstract algebra (groups, rings, linear spaces).

Grading will be based on homework assignments. A homework assignment usually covers a
chapter from the text-book, and the due date is the first class that starts the next chapter. Late
homework will not be graded.

Grading Scale:

\[
\begin{align*}
90\% & \leq A, & 85\% & \leq AB \leq 89\%, & 80\% & \leq B \leq 84\%, \\
75\% & \leq BC \leq 79\%, & 70\% & \leq C \leq 74\%, & 65\% & \leq CD \leq 69\%, & 60\% & \leq D \leq 64\%
\end{align*}
\]

Homework assignments

1. Page 14: 5,6,8,9,10,14,16,17,19,21,22.
2. Page 36: 1,3,5,7,9,12,15,16,18,22,24,31,32.
3. Page 48: 1,5,6,7,12,13,15,17.
4. Page 64: 1,4,6,8,11,13,14,19,22,26,30,31.
5. Page 81: 7,9,10,12,13,14,19,22.
7. Page 121: 1,3,5,6,7,9,11.
8. Page 140: 6, 7, 8, 10, 21.