

MATH 433, Section 100

Applied Algebra

Summer 2010

Instructor: Yaroslav Vorobets

Time: MTWRF 12:00–1:35 p.m.

Location: Blocker 160

Web page: <http://www.math.tamu.edu/~yvorobet/MATH433/>

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Office hours: TWRF 10:30–11:30 a.m., and by appointment

Text: J. F. Humphreys, Y. P. Prest, *Numbers, Groups and Codes*, 2nd ed., Cambridge University Press, 2004.

Prerequisites: MATH 220 or 302 (discrete mathematics); MATH 304 or 323 (linear algebra).

Course content: This course is an introduction to the algebraic concepts of groups, rings, and fields, with an emphasis on modular arithmetic. Applications include topics in number theory and coding theory.

Grading system: There will be 2 in-class exams and 12–14 quizzes. The exams are worth 100 points (or 33.3% of the final grade) each. Extra credit can be earned by solving bonus problems. The quizzes will account for another 100 points (or 33.3% of the final grade). The final grades will be assigned according to the 90–80–70–60% scale, that is, A for 270+ pts, B for 240–269 pts, C for 210–239 pts, D for 180–209 pts, and F for less than 180 pts.

The dates of the 2 exams are June 11 and July 2 (Fridays). There will be no final exam.

Make-ups: Make-ups for missed exams and quizzes will be allowed for a university approved excuse in writing. Wherever possible, inform the instructor before a test is missed. Consistent with University Student Rules, students are required to notify the instructor by the end of the next working day after missing an exam. Otherwise, they forfeit their rights to a make-up.

Academic integrity: The Aggie Honor Code states: “An Aggie does not lie, cheat or steal, or tolerate those who do.” Information about the Honor Council Rules and Procedures can be found at <http://aggiehonor.tamu.edu/>

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