MATH 417 – 417G: Algebraic Systems

TCCW 374, Spring 2009
MWF 12:40 – 1:35

Instructor: Dr. Dominic Lanphier
Office: TCCW 334 **Office hours:** MWF 3:00 – 4:00, T 3:00 – 4:00
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Description: The concepts and techniques of Abstract Algebra are developed, with emphasis on group theory and field theory and applications to understanding Galois Theory.

Text: *Galois Theory*, 3rd edition, by Ian Stewart, Chapters 1 – 15, also group theory from class notes and other texts.

Exams: There will be three one-hour exams given on the following dates:

Exam 1 Friday, February 27, Chapters 1 – 7
Exam 2 Wednesday, April 1, (Groups)
Exam 3 Wednesday, May 1, Chapters 8 – 15

The exams will be worth 100 points each.

Final Exam: The Final Exam will be comprehensive, covering all the material of the course and it will be worth 200 points. The Final Exam will be on Thursday May 14, 1:00pm – 3:00pm.
There will be no make-up exams.

Homework and Quizzes: Homework will be assigned but not collected. It is important to attempt every homework problem in order to properly learn the material. If difficulty with a particular problem arises then ask the instructor for help. There will be numerous quizzes based very closely on the homework assignments and each quiz will be worth 10 points. The top ten quizzes of those taken will be counted for a total of 100 points. No make-up quizzes will be given.

Grade: The grade for the course will be determined from the point total of the quizzes and exams. In particular,

Exam I	100
Exam II	100
Exam III	100

Quizzes	100
Final Exam	200
Total	600

So there are 600 possible points for the course.

Attendance: It is expected that you will attend every class. The exams and quizzes will be written under the assumption that the lectures have been attended, the book has been read, and the relevant homework has been done.

Tutors are available to assist you in the Mathematics Laboratory (TCCW 125A) between 8am and 5pm, Monday through Thursday, and between 8am and 2pm Friday.

Students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Office for Student Disability Services, Room 101, Garrett Conference Center.