

Matrix Algebra with Applications

Math 308 G; Spring 2017

Instructor: Dr. Amos Turchet

Office: Padelford C-528

e-mail: aturchet@uw.edu (specify **Math 402** in all correspondence)

Course Website: <http://www.math.washington.edu/~aturchet/teaching/aut2017/math402.html>

Course Mailing-list: math402b-au17@uw.edu

Office Hours: TBA

Text: *Algebra: Abstract and Concrete*, edition 2.6, by Frederick M. Goodman. You can download the textbook from free at <http://homepage.divms.uiowa.edu/~goodman/algebrabook.dir/download.htm>. Warning: I will follow the book very loosely.

Course Content: Math 402 is an introductory course in abstract algebra that focuses on the elementary theory of Groups. Topics will include: Cosets and Lagrange's theorem. Homomorphisms, normal subgroups, quotient groups, and the fundamental isomorphism theorems. Cyclic and symmetric groups. Orders and Cauchy's theorem. Direct products. Automorphisms.

Grading: Your grade will consist of:

Homework	25%
Midterm	35%
Final Exam	40%

Your raw percentage score resulting from the above table might be curved after evaluating the performance of the class over the entire quarter.

Homework: Homework assignments will be collected at the beginning of class the day it is due. The homework will be posted on the course website at least a week ahead of time, with the exception of the first week. You may discuss the homework with your classmates, however the assignment must be written up on your own, and for each problem, you must list the names of everyone with whom you worked.

Exams: Calculators, other electronic devices (e.g. cell phones, laptops, etc.), notes, and books will not be allowed during exams.

Exam Dates:

Midterm	Friday, November 3	in lecture
Final Exam	Wednesday, December 13	8:30–10:20 am (AND 010)

Make-Ups: Extensions and extra submissions on homework will not be given under any circumstances. You may miss up to 10% of the total number of homework points during the quarter without penalty to your grade.

In the case of observance of religious holidays or participation in university sponsored activities, such as class field trips or athletics, arrangements must be made at least two weeks in advance for exams. You will be required to provide documentation for your absence.

Make-up exams will not be given. If you miss an exam due to unavoidable, compelling, and well-documented circumstances (e.g., illness, transportation emergency), your final exam may be weighted more heavily. **Contact me immediately if one of these circumstances arises.**

Overload: The department policy is that no overload will be done on 400-level classes, no exceptions. Students hoping to get a seat in this section should sign up for Notify.UW, a free tool that sends notifications about course availability directly to students. All registration questions can be directed to the Math Student Services office by email at advising@math.washington.edu (there is also the possibility of drop in advising for undergraduate students). Non-matriculated, aka non-degree seeking students will need to wait until the quarter begins to request entry.

Academic misconduct: Misconduct during class and exams is a serious offense and it will not be tolerated in this class. Details of the University's policy on cheating can be found at <http://depts.washington.edu/grading/pdf/AcademicResponsibility.pdf>

Counseling: The UW Counseling Center provides brief counseling, assessment, referral, and crisis intervention services to currently enrolled University of Washington students. There is no charge for most of the services. See <http://www.washington.edu/counseling/> for more information.

Resources for Students with Disabilities: The University of Washington is committed to providing access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation contact the Disability Services Office at least ten days in advance at: 206-543-6450/V, 206-543-6452/TTY, 206-685-7264 (FAX), or dso@u.washington.edu.