

Math 410  
Matrix Analysis  
Fall 2007  
MWF 9:00–9:50 in M LNG 202

Instructor: W. Faris

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Instructor Home Web Page: <http://math.arizona.edu/~faris/>

Office Hours: Mon 12:00 and Wed 11:00 (in Math 620), Mon 1:00 (in Math 220), or appointment

Text: Peter J. Olver and Chehrzad Shakiban, *Applied Linear Algebra*, Pearson Prentice Hall, 2006.

Course Content: 1. Linear Algebraic Systems, 2. Vector Spaces and Bases, 3. Inner Products and Norms, 4. Minimization and Least Squares Approximation, 5. Orthogonality, 8. Eigenvalues, 9. Linear Dynamical Systems.

Hour exams: September 24  
October 29

Final Exam: Friday, December 14, 8:00AM–10:00AM

Missed Exams: Missed exams must be justified in writing before the exam and must be approved by the instructor. (In extreme emergency the mathematics office may be telephoned before the exam, with the message that a letter is on the way.) Justification for missing an exam due to a conflict with another scheduled activity must be submitted the first week of classes.

Scores for Missed Exams: A score for a justified missed exam will be assigned based on the average of the other exams. A missed final exam will result in a grade of I or E.

Homework: There will be regular homework assignments. No credit will be given for late work, unless it is justified in advance, in writing.

Grading: 2 Hour Exams 200 points  
Homework: 100 points  
Final Exam: 200 points

The numerical scores will be converted to letter grades at the end of the semester. The grading system is that given in the General Catalog (A – Excellent, B – Good, C – Fair, D – Poor, E – Failure). Higher numerical scores will give the same or higher letter grades. The actual cutoff points will depend on the general performance of the class and on the difficulty of the exams.

Withdrawal: September 14 last drop with deletion  
October 12 last drop with W (passing) or E (failing)  
After October 12 E, or WP/WF if withdrawing from University