

Fall 2015 MATH401

General information for Tamás Darvas' students

Instructor: Dr. Tamás Darvas

Office: Mathematics Building 4416

Email: tdarvas@math.umd.edu // Be sure to include "Math 401" in the subject line.

Grader: TBA

Class: TuTh 2:00-3:15pm in MTH0403.

Office Hours: Th 11AM-12PM in my office (MATH4416), and by appointment.

Course Website: www.math.umd.edu/~tdarvas and select MATH401 in the menu.

Text: P.J. Olver-C. Shakiban: Applied Linear Algebra 1st ed.

Prerequisites: This is a 400 level course, so some amount of mathematical maturity is expected. Also MATH240 or MATH461 are a prerequisite of this course.

Syllabus: The scope of the course is to deepen the concepts of linear algebra along with giving various applications including theory of finite games, systems of ordinary differential equations, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

Homework: Written homework assigned on a weekly basis, due in seven days (in class). Questions about how specific homework was graded, should be addressed to the grader directly. You are encouraged to work and learn together, but it is important to make sure that you have a personal mastery of the material. The work you turn in must be your own. Copying answers from an outside source (solutions manual, tutor, the internet, etc.) is forbidden. All homework assignments are worth the same amount. No late homeworks will be accepted. The two lowest homework scores will be dropped at the end of the semester.

Midterms: there will be 2 midterms on the following tentative dates (in class): October 15, November 24.

Final: The final exam will be comprehensive. The date for the final is Thursday, December 17, 10:30am-12:30pm.

Grade calculation: Homework 20%, Final 30%, 2 Midterms 50%.

Honor Code: It is expected that each student will conduct himself or herself within the guidelines of the UMD Honor System. All academic work should be done with the high level of honesty and integrity that this university demands. For more information, please visit <http://shc.umd.edu/code.html>.