

3323 Matrix Algebra
SYLLABUS

Instructor: Dr. Piotr J. Wojciechowski \ voy-che-HOF-skee \

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Office: Bell Hall 324, Tuesdays and Thursdays 3-4.

Textbook: Introduction to Linear Algebra by Johnson ...

Notebook: Notes must be taken during the class. The content of the blackboard must be copied to the notebook. It is strictly required to know the material written on the board.

Calculator: any graphing calculator.

Grading policy:

- Quizzes almost every day; three lowest quizzes will be dropped. The quizzes cover 20% of the course grade.
- Two midterm examinations, each given after completion of major sections of the course. Each exam covers 20% of the course grade. The final exam (scheduled by the University) is comprehensive and covers 40% of the course grade.
- There are no special projects, extra work or any other alterations of this policy.
- In extraordinary and officially justified cases a make-up exam or quiz can be administered during the office hours. It has to be individually arranged with and approved by the instructor.

Drop deadline July 28.

Structure of the course: This course teaches basics of matrix algebra. It is a mixture of a formal, theoretical approach with practice. The material stretches from basic definitions, through important properties of matrices, solving systems of linear equations and eigenvalue problems. Necessary

background from analytic geometry is also covered. Classes will be partially lectures and problem solving sessions, involving some group work.

Required Reading: All textbook, classroom notes and hand-outs additionally given from time to time. These have to be read with understanding and backed up by individually solved problems. Most of the time reading two or more times is needed to fulfill this requirement. Chapter content: 1-4.

Homework A great deal of concentration of the course is stressed on homework. There will be homework assigned each class and due in writing the next class. Selected problems will be discussed in greater detail. Having learned how to do and how to write the homework is a key to success in this course, since the quizzes and exams will be based on and will look like the homework. The homework will not be graded.

All UTEP and College of Science policies apply

Attendance: Strictly required the entire class.

Everyday work: 2 hours (average)

NO CELL PHONES