

3323 Matrix Algebra

SYLLABUS

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

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Office: Bell Hall 324, every day 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.
- Final, comprehensive examination will be given on Thursday, June 3. The exam 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 7/27/14.

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.

Attendance: Strictly required the entire class. Three absences result in a “W”.

Everyday work: 2 hours (average)

NO CELL PHONES