MATH 0520 S01: LINEAR ALGEBRA (FALL 2018)

Instructor: Zhou Fang

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Course time & location: MWF 10:00am–10:50am, BH 163.

Office Hours: TBD, Kassar 015. By appointment during shopping and reading periods.

Textbook: *Linear Algebra and its Applications, 5th Edition* by Lay, Lay, Mac-Donald. (ISBN: 978-0321982384)

Topics: Systems of linear equations, matrices, determinants, vector spaces, linear transformations, eigenvalues and eigenvectors, inner product spaces, quadratic forms, and applications.

Prerequisite: The university's listed prerequisite is Math 0180, 0200, or 0350. However, extensive knowledge of multivariable calculus is not required for this class. Good intuitions about vectors and geometry in $\mathbb{R}^2$ and $\mathbb{R}^3$ will be helpful.

Homework: Homework will be assigned on Canvas and collected every week. Late homework will not be accepted under any circumstances. Please write legibly, circle your final answers, and submit your solutions via Gradescope.

Exams: There will be two midterm exams and a three-hour final exam. The precise dates and locations for midterms will be specified later. The final exam is scheduled for December 18 at 2:00pm. All registered students are expected to take the final exam at this time unless a special arrangement has been made, e.g. with the Student and Employee Accessibility Services. No calculators or other electronic devices are allowed (or necessary) for the exams.

Grading: Your final grade will be calculated as follows.
- 15% - Homework
- 20% - Midterm Exam 1
- 20% - Midterm Exam 2
- 45% - Final Exam

Absences: You should inform your instructor of any foreseeable conflict of schedule at least one week in advance.

Disability support: Please inform your instructor if you have a disability or other condition that might require modification of these procedures. You should also contact the Student and Employee Accessibility Services at 401-863-9588 or SEAS@brown.edu.