MAT 331.5 Linear Algebra

Instructor: Turgay Bayraktar

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Office: Carnegie Hall 205   **Office Hours:** MW 2.00-3.00pm or by appointment.

Textbook: Linear Algebra and its Applications, David C. Lay, 4th Edition.

Lectures: MWF 10:35am - 11:30am ,   **Room:** Carnegie Hall 110

Course Description: Systems of linear equations, matrices, determinants, Euclidean space and general vector spaces, eigenvalues and eigenvectors.

Prerequisites: MAT 286 or MAT 296

Course Policies: Attendance is strongly encouraged. You are responsible for lecture notes, any course material handed out in class and posted on course website. No cell phones, pagers nor laptops are allowed during the lectures. I strongly encourage active participation in the classroom.

Calculator Policy: You are allowed to use a graphing calculator (such as TI-84, TI-85) on homework, quizzes, and exams for this class. Students may need to show work to receive full credit. The use of a symbolic calculator (such as the TI-89 or the TI-Nspire with CAS) is not allowed on quizzes or exams. There may be quizzes and specific exam questions that are designated no calculator.

Grading Policy: Homework sets and quizzes (20%), two midterm exams (25% each) and a Final Exam (30%). The schedule of these exams will be announced on the course website. Final grade will be given according to the following scale:

A (93-100) A- (90-92) B+ (87-89)   B (83-86)   B- (80-82)

C+ (77-79) C (73-76)   C- (70-72)   D (60-69) F (0-59)

There will be no make-ups for homework or exams. If you miss an exam, you will have to be cleared by me to be excused from the exam, a process that will include documentation and a valid excuse. In this case the ultimate grade for that exam will be calculated based on your performance on future exams and the final.

Homework: Homework assignments are based on the weeks lectures and will be posted on the on course website sometime on Friday. That assignment will be due on next Friday at the beginning of the lecture. You are encouraged to do your homework in groups. You are required, however, to write up your homework on your own. If you misuse homework by not doing it yourself, or not

checking that you can solve a problem on your own after having been shown how to do it, then your exam scores and corresponding grade will reflect this.

Office Hours: Do not hesitate to come to my office during office hours or by appointment to discuss a homework problem or any aspect of the course.

Students with Disabilities: If you believe that you need accommodations for a disability, please contact the Office of Disability Services (ODS), web http://disabilityservices.syr.edu, located in Room 303 of 804 University Avenue, or call 315-443-4498 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible coordinating disability-related accommodations and will issue students with documented disabilities Accommodation Authorization Letters, as appropriate. Since accommodations may require early planning and generally are not provided retroactively, please contact ODS as soon as possible. You are also welcome to contact me privately to discuss your academic needs although I cannot arrange for disability-related accommodations.

Academic Honesty: The strength of the university depends on academic and personal integrity. In this course, you must be honest and truthful. Cheating is wrong. Cheating hurts our community by undermining academic integrity, creating mistrust, and fostering unfair competition. The university will punish cheaters with failure on an assignment, failure in a course, permanent transcript notation, suspension, and/or expulsion. Offenses may be reported to law, or other professional or school when a cheater applies.

Violations can include cheating on exams, plagiarism, reuse of assignments without permission, improper use of the Internet and electronic devices unauthorized collaboration, alteration of graded assignments, forgery and falsification, lying, facilitating academic dishonesty, and unfair competition. Ignorance of these rules is not an excuse. For more information and the complete policy, see http://academicintegrity.syr.edu.