MAT 531-M001   SPRING 2017
2nd Course: Linear Algebra

Instructor: Jack Ucci, 306B Carnegie   jjucci@syr.edu

Course Description: All or nearly all topics of the course are covered in Chapters 1, 2, 5, and 6 of the textbook. These topics are considered in MAT 331 from a computational viewpoint. (*MAT 331 is a prerequisite for this course, and the computational techniques in that course will be assumed for this course.*) Here they are reconsidered in a more abstract setting, with an emphasis on definitions, and proofs of Theorems. Specifically, the topics include abstract vector spaces and their subspaces, linear transformations and their matrix representations (Chapters 1, 2); eigenvalues and eigenvectors, inner product spaces (Chapters 5, 6). If time permits, some applications may be given.

Text: *Linear Algebra* by Friedberg, Insel, and Spence, 4th Edition, Prentice Hall, 2003.

Classes: TTh 11:00 AM – 12:20 PM, 100 Carnegie

Office Hours: TBA

Exams: There will be one midterm covering Chapters 1 and 2, tentatively scheduled 02/23/17. There will a final exam covering the entire course given on 05/05/17 at 8 - 10 AM in 100 Carnegie.

Homework: Weekly written assignments will be announced via blackboard.

Grading: The three grades and their percentage count are (midterm, final exam, homework) counting (30%, 40%, 30%).

Course Rules: No use of calculators on exams; all electronic devices silenced and stored during all classes and exams.

Students with Disabilities: If you believe that you need accommodations for a disability, please contact the Office of Disability Services (ODS), http://disabilityservices.syr.edu, located in Room 303 of 804 University Avenue, or call (315) 443-4498 or TDD: (315) 443- 1371 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible for 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 Integrity: The Syracuse University Academic Integrity Policy holds students accountable for the integrity of the work they submit. Students should be familiar with the Policy and know that it is their responsibility to learn about instructor and general academic expectations with regard to proper citation of sources in written work. The policy also governs the integrity of work submitted in exams and assignments as well as the veracity of signatures on attendance sheets and other verifications of participation in class activities. Serious sanctions can result from academic dishonesty of any sort. For more information and the complete policy, see http://academicintegrity.syr.edu

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