

Fall 2016
MAT 331: FIRST COURSE IN LINEAR ALGEBRA

Section 2, TTh, 2:00 – 3:20, 122 Carnegie

Course Instructor: Muhammed ALAN

Office: 313J Carnegie,

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Office Hours: Tuesday, Thursday 2:35PM-3:20PM

Course Supervisor: Course Supervisor: Professor Jeffrey L. Meyer (this is not your instructor), telephone 443-1479, email jlmeye01@syr.edu. Please inform *your instructor* of any problems you are having with the course. Problems not satisfactorily resolved with your instructor should be brought to the attention of the course supervisor without delay.

Course Information: Course Description: Linear equations, Linear transformations, Matrices, n -dimensional Euclidean spaces, Associated geometry.

Course Restrictions: Credit will not be given for both MAT 331 and MAT 485.

Prerequisites: MAT 286 or MAT 296

Textbook: Linear Algebra and its Applications, 5th edition, by David C. Lay, Steven R. Lay, and Judi J. McDonald; Publisher, Addison-Wesley

Calculator Policy: No calculators are allowed in the exams and quizzes.

Homework/Quiz Policy: Every Thursday night a set of problems from your textbook will be assigned and will be due next Thursday. Namely, you will have at least 7. Lowest 2 homework scores will be dropped.

Every Thursday a short quiz will be given. If you miss more than 10 minutes of Thursday class your quiz will be a 0. Lowest 2 quiz scores will be dropped.

Grading Policy: Homework/quizzes will comprise 20% of the course grade with two in-class exams each 20%, one on October 6 and one on November 10, and the final exam 40%. Letter grades will correspond to numeric grade intervals as follows.

[93,100)→A [90,93)→A- [87,90)→B+ [83,87)→B [80,83)→B-
[77,80)→C+ [73,77)→C [70,73)→C- [60,70)→D [0,60)→F

Exam 1: 6 October 2016

Exam 2: 10 November 2016

Final Exam Date: The final exam covers the entire course. It will be given during a two-hour block on

Wednesday, December 14, 2016 - 8:00AM - 2:30 PM

The exact time and location will be announced later in the semester. Do not make arrangements to leave campus before 2:30 PM on Wednesday, December 14, 2016. The final exam will not be given at any other time.

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 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 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>

Religious observances policy. SU religious observances policy recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holidays according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or work requirements that may be missed due to are religious observance provided they notify their instructors before the end of the second week of classes. For fall and spring semesters, an online notification process is available through MySlice (Student Services - > Enrollment -> My Religious Observances) from the first day of class until the end of the second week of class.

Please inform me of any problems that you have with the course. Problems not satisfactorily resolved by me should then be brought to the attention of the Course Supervisor.

Section	Suggested Problems
. 1.1	11, 13, 15, 17, 19, 23, 24, 25
. 1.2	2, 5, 6, 11, 15, 19 (find all such values of h and k), 21, 25, 26
. 1.3	9, 11, 13, 17, 21, 23 (b-e), 25 (b, c)
. 1.4	1, 3, 7, 9, 11, 15, 17, 19, 21, 23 (b-e), 31, 33
. 1.5	1, 7, 11, 23, 29, 30, 31, 32
. 1.7	1, 5, 7, 9, 11, 15, 17, 19, 21, 31
. 1.8	1, 3, 5, 7, 8, 9, 13, 15, 17, 19, 21, 27
. 1.9	1, 3, 5, 7, 9, 17, 19, 23
. 2.1	1, 3, 5, 7, 11, 12, 15, 19, 20, 27, 28
. 2.2	1, 5, 9, 13, 15, 21, 22, 24, 31, 32, 33, 35
. 2.3	4, 8, 11, 13, 14, 15, 16, 17, 33, 35
. 2.7	2, 3, 5, 7
. 2.8	1, 3, 5, 7, 9, 11, 13, 15, 17, 21, 23, 25
. 2.9	1, 3, 5, 9, 11, 13, 15, 16, 17, 19, 20, 21, 22
. 3.1	9, 11, 13, 15, 17
. 3.2	15, 17, 19, 29, 31, 34
. 3.3	19, 21, 23, 27, 28
. 5.1	3, 5, 9, 13, 15, 17, 18, 19, 21, 25, 29
. 5.2	1, 3, 5, 7, 13, 15, 16
. 5.3	7, 9, 11, 13, 17, 21, 23, 25
. 6.1	5, 7, 9, 11, 15, 17
. 6.2	1, 5, 9, 11, 13, 15
. 6.3	3, 5, 7, 9, 11, 13
. 6.4	3, 5, 7, 9, 11