

Learning Outcomes:

Upon completing this course, students should be able to

1. understand the definition, properties of matrices and applications;
2. perform Gauss-Jordan Elimination method to solve linear systems; find the inverse of any invertible matrix, rank, null-space, and nullity of a given matrix; LU-factorization;
3. understand the definition of determinants, the methods of computing the value of a determinant, and applications of determinants; and
4. understand vector space and subspaces, basis and dimensions, inner product, the Gram-Schmidt process.

Homework:

Homework problems are given in the following chart. Although homework will not be collected for grading, it is critical to your success in this course like any other mathematics course that you work out and complete all homework problems. The questions on quizzes, tests and the final exam will be similar to homework problems or even identical in some cases.

Suggested Homework Problems			
Date	Section	Page	Problems
Thursday 6/2	1.1	10	1-33 odd, 34
	1.2	21	1-33 odd
	1.3	32	1, 2, 3, 5, 9- 25 odd
Tuesday 6/7	1.4	40	1-35 odd
	1.5	47	1-17 odd, 23, 25, 27
Thursday 6/9	1.7	60	1-39 odd
	1.8	68	1-21 odd, 25-29 odd, 33-39 odd
Tuesday 6/14	1.9	78	1-29 odd
	Review for Test 1		
Thursday 6/16	Test 1		
	2.1	100	1-17 odd, 23, 27, 28
Tuesday 6/21	2.2	109	1-13 odd, 17, 19, 23, 29, 31, 33
	2.3	115	1- 23 odd, 29, 33, 34, 37
Thursday 6/23	3.1	167	1-41 odd
	3.2	175	1-39 odd
Tuesday 6/28	4.1	195	1-23 odd, 31, 32, 33
	4.2	205	1-27 odd, 31-35 odd, 36
	Review for Test 2		

Thursday 6/30	Test 2		
	4.3	213	1-27 odd, 31, 32, 33
Tuesday 7/5	4.4	222	1-19 odd, 20, 23, 24, 25, 26, 27-31 odd
	4.5	229	1-23 odd
Thursday 7/7	4.6	236	1-17 odd, 19-23 odd, 27
	4.7	243	1, 7, 9
Tuesday 7/12	6.1	336	1-13 odd, 15-18, 19, 25, 29
	6.2	344	1-6, 7-10, 11, 13, 17-22, 29
Thursday 7/14	6.3	352	1-11 odd, 21
	Review for Test 3		
Tuesday 7/19	Test 3		
	6.4	358	1-17 odd
Thursday 7/21	6.5	366	1-17 odd, 25
	Review for Final Exam		
Tuesday 7/26	Final Exam (11:30 AM - 1:30 PM)		

*optional, but may be covered if time permits.

Requirements of the Course/Method of Evaluation/Makeup Policy:

The student is expected to:

- attend all classes, thoroughly study the materials covered in class, read the textbook and other related reading assignments, and complete all homework assignments;
- take quizzes and complete worksheet (10%) in class; *no makeup quizzes will be given under any circumstances*; two quizzes will be dropped;
- take **three tests (65%)** tentatively scheduled as follows:
- **Test 1 (Tuesday, June 16)**
- **Test 2 (Thursday, June 30)**
- **Test 3 (Tuesday, July 19)**

Make-up exams will only be allowed for a university approved excuse in writing. Wherever possible, you should inform me prior to missing an exam.

- take **cumulative Final Exam (25%)**[**Tuesday, July 26, 11:30 AM - 1:30 PM**]

All quizzes, tests and final exam are closed book and closed notes. Everyone must take the final. *The final exam percentage will be used to replace your one lowest test score if it helps your average.* There will be no extra credit in this course, and therefore please do not ask for one.

Grading Scale:

A for [90%, 100%], **B** for [80%, 90%), **C** for [70%, 80%), **D** for [60%, 70%),
F for [0, 60%)

Student Disability Services:

Any student with a documented disability needing academic adjustments is requested to notify the instructor as early in the semester as possible. Verification from KSU Student Disability Services is required. All discussions will remain confidential.

Class Attendance:

Regular attendance is expected and will be recorded. There will be a class roll going around in class every day, and it is your responsibility to sign in. Missing a class can leave you a lot behind in the course and, in this case, you will be responsible for all announcements, class assignments and material presented in class.

Classroom Behavior:

All phones must be either silent or turned off in the classroom. Music players should not be used for the duration of class. You are expected to arrive in class on time, be prepared for interactive learning, and not be disruptive during the class. You may be asked to leave the classroom for any misconduct or inappropriate behavior.

The instructor of the course can make changes on pages 1-4 of this syllabus if it is absolutely necessary to account for ineluctable circumstances. In such events, students will be notified of any changes ahead of time by the instructor.

WITHDRAWAL FROM THE UNIVERSITY OR FROM INDIVIDUAL COURSES AND ACADEMIC INTEGRITY

Summer 2016

Withdrawal

Students who find that they cannot continue in college for the entire semester after being enrolled, because of illness or any other reason, need to complete an online form. To completely or partially withdraw from classes at KSU, a student must withdraw online at <http://www.kennesaw.edu>, under Owl Express, Student Services.

The date the withdrawal is submitted online will be considered the official KSU withdrawal date which will be used in the calculation of any tuition refund or refund to Federal student aid and/or HOPE scholarship programs. It is advisable to print the final page of the withdrawal for your records. Withdrawals submitted online prior to midnight on the last day to withdraw without academic penalty will receive a “W” grade. Withdrawals after midnight will receive a “WF”. Failure to complete the online withdrawal process will produce no withdrawal from classes. Call the Registrar’s Office at 470-578-6200 during business hours if assistance is needed.

Students may, by means of the same online withdrawal and with the approval of the university Dean, withdraw from individual courses while retaining other courses on their schedules. This option may be exercised up until **June 27, 2016**.

This is the date to withdraw without academic penalty for Summer Term, 2016 classes. Failure to withdraw by the date above will mean that the student has elected to receive the final grade(s) earned in the course(s). The only exception to those withdrawal regulations will be for those instances that involve unusual and fully documented circumstances.

Academic Integrity

Every KSU student is responsible for upholding the provisions of the Student Code of Conduct, as published in the Undergraduate and Graduate Catalogs. Section II of the Student Code of Conduct addresses the university’s policy on academic honesty, including provisions regarding plagiarism and cheating, unauthorized access to university materials, misrepresentation/falsification of university records or academic work, malicious removal, retention, or destruction of library materials, malicious/intentional misuse of computer facilities and/or services, and misuse of student identification cards. Incidents of alleged academic misconduct will be handled through the established procedures of the Department of Student Conduct and Academic Integrity (SCAI), which includes either an “informal” resolution by a faculty member, resulting in a grade adjustment, or a formal hearing procedure, which may subject a student to the Code of Conduct’s minimum one semester suspension requirement. See also <http://scai.kennesaw.edu/codes.php>