COURSE INFORMATION

Course name and section: Math 319/Introduction to Linear Algebra

Hours and location: 9:30am-10:45am MW in Jackson Avenue Center 122

Instructor: Sandra Spiroff
Office address: Hume Hall 335
Office hours: Mon 11am-noon & 2:20pm-3:30pm; Wed 11am-noon; also by appointment
Office telephone number: (662) 915-5646
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Text for the course: *Linear Algebra with Applications*, Ninth Edition*, by S. J. Leon. (*Older editions are acceptable, but it is the student's responsibility to refer to the latest edition for all assignments and sections covered. Ninth edition will be put on reserve in the J. D. Williams Library.)

Prerequisites: The prerequisite for this course is at least a C in Calculus II.

Course Goals: Our goals are to enable students to understand the concepts and rules of linear algebra, to develop problem solving skills, and to apply concepts and theories learned in class to solve some application problems.

Syllabus:

CHAPTER	SECTIONS	TOPICS
Chapter 1	1.1-1.5	Matrices and Systems of Equations
Chapter 2	2.1-2.3	Determinants
Chapter 3	3.1-3.6	Vector Spaces
Chapter 4	4.1-4.3	Linear Transformations
Chapter 6	6.1-6.3	Eigenvalues

Calculator policy: An inexpensive scientific calculator will sometimes be allowed in Math 319. Graphing calculators and cell phone calculators are prohibited. No sharing of calculators will be allowed.

Examination policies: There will be three in-class exams. **Dates:** Wednesday, February 15th; Wednesday, March 22nd; and Wednesday, April 19th.

Homework policies: There will be regular homework assignments. Only various exercises will be graded. The homework content is the basis for the tests.

Grading policies: Homework: 20%, Tests: 20% ea., Final: 20%. **NO MAKE-UP EXAMS WILL BE GIVEN**, but your lowest test score will be replaced by the final exam score. Grades will be determined as follows. A: 100% - 93%, A-: 92%-90%, B+: 89%-87%, B: 86% - 83%, B-: 82%-80%, C+: 79%-77%, C: 76% - 73%, C-: 72%-70%, D: 69%-60%, and F: 59% - 0%.

Final exam date: Wednesday, May 10th from 8:00am-11:00am.

Holistic grade view:

• An **A** is earned by an individual who has synthesized the course material, has demonstrated his/her knowledge, and has given full support to any claims made.

• A **B** is earned by an individual who has understood the majority of the topics and has presented the work correctly and in a clear manner.

• A **C** is earned by an individual who has understood just the basics and essentially does the minimum required.

• A **D** is earned by an individual whose work, to some extent, misses the point of the course or is poorly presented. Work that totally misses the point, in either understanding or presentation, earns an **F**.

Very Important:

(1) Students must show all work in order to receive credit. Work shown must support answer.
(2) No late homework will be accepted.
(3) If a test is missed for any reason, a grade of 0 will be given. There will be no make up tests given for any reason other than official university functions.
(4) Any student who must miss an exam because of an official university function may reschedule the test before the test is originally scheduled. This is the only rescheduling allowed.
(5) There will be no extra credit.
(6) Each student is responsible for all work missed due to absences.
(7) An "I" grade will not be given without the permission of the Department of Mathematics.
(8) Any student having three or more final exams scheduled for the same day may arrange with the instructor to take either the 12:00 noon or 7:30 pm exam at another time. This the only reason that a final exam may be rescheduled. The student is required to take the final exam at the time scheduled.

Withdrawals: The deadline for withdrawal is Friday, March 3rd. After the course withdrawal deadline, courses will be recorded on University records and the W grade will be recorded if the student is not failing the course at the time of withdrawal; otherwise the grade recorded will be an F. After the course withdrawal deadline a student may drop a course only in cases of extreme and unavoidable emergency as determined by the student's academic dean. Dropping the course after the deadline will not be permitted because of dissatisfaction over an expected grade or because of a change of major.

Academic Needs: It is the responsibility of any student with a disability who requests a reasonable accommodation to contact the Office of Student Disability Services (915-7128). Contact will then be made by that office through the student to the instructor of this class. The instructor will then work with the student so that reasonable accommodation of any disability can be made.

Academic Honesty:

The following statement is the policy of the Department of Mathematics regarding cheating:
<u>Offenses</u>: Cheating on any exam, quiz, class work, or homework, theft of exam questions, or possession of exam questions prior to the time for the exam shall all be offenses subject to the appropriate penalties.
<u>Penalties</u>: The penalty for commission of any offense set out above is failure in the course, and subject to the approval of the Chancellor, dismissal or suspension from the University.