Instructor: Arne Ledet
MA 206
arine.ledet@ttu.edu

Office Hours: MF 2:15–5pm, and by appointment

Lectures: MWF 10–10:50am in HH150


Material to be covered: Chapters 1–7

Grading: During the term, there will be three in-class exams, each taking up an entire class period. Additionally, there will be ten homework assignments, of which your eight best will count towards your final grade. The final grade will be computed according to the following percentages:

- In-class exams: 30% (10% each)
- Homework: 40% (5% each)
- Final exam: 30%

The dates of the in-class exams are September 21, October 19 and November 16.

Important dates: August 27 – First day of classes
September 3 – Labour Day
November 21–23 – Thanksgiving
December 5 – Last day of classes.
December 11 – Final exam, 7:30–10am

Course homepage: A course homepage is maintained at
http://www.math.ttu.edu/~aledet/teaching/2360.html
All handouts, including homework assignments and this syllabus, will be available for download from there. It will also list the material covered and the suggested exercises for each class. Additionally, solutions to homework assignments and tests will be put up on the course homepage after the due dates/test dates.

Note regarding email: Include the course number (2360) in the subject line.
Learning objectives: Students develop skills in manipulating matrices, and understand their relationship to linear systems. They understand the concepts of bases and vector spaces, as well as eigenvectors and eigenspaces. In particular, students

- perform basic vector algebra, and compute the bases of vector spaces;
- express a linear transformation as a matrix;
- perform basic matrix manipulations, and compute the determinant of a matrix;
- compute eigenvalues and eigenvectors; and
- use the Gram-Schmidt method.

Learning assessment: The expected learning outcomes for the course will be assessed through in-class exams and activities, homework assignments and class discussions.

Special arrangements: Any student who, because of a disability, may require special arrangements in order to meet course requirements should contact the instructor as soon as possible to make any necessary arrangements. The student should present appropriate verification from Student Disability Services during the instructor’s office hours. Please note instructors are not allowed to provide classroom accommodations to a student until appropriate verification from Student Disability Services has been provided.

Religious holy days: (1) Religious holy day means a holy day observed by a religion whose places of worship are exempt from property taxation under Texas Tax Code §11.20.

(2) A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. A student who is absent from classes for the observance of a religious holy day shall be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence.

(3) A student who is excused under section 2 may not be penalized for the absence; however, the instructor may respond appropriately if the student fails to complete the assignment satisfactorily.