MATH 2600 - LINEAR ALGEBRA - FALL 2015

Instructor: Professor Jesse Peterson
e-mail: jesse.d.peterson@vanderbilt.edu
Office: SC 1414
Office Hours:
    Tuesdays: 10:10-11:00am
    Thursdays: 10:10-11:00am
    Fridays: 3:10-4:00pm

Course Description and Book:

    MATH 2600. Linear Algebra. Algebra of matrices, real and complex vector spaces, linear transformations, and systems of linear equations. Eigenvalues, eigenvectors, Cayley-Hamilton theorem, inner product spaces, and orthonormal bases. Hermitian matrices. Designed primarily for mathematics majors.

    Book: Linear Algebra, 4th Edition, by Stephen H. Friedberg, Arnold J. Insel, and Lawrence E. Spence. ISBN-13: 978-0130084514

Website:

    http://www.math.vanderbilt.edu/~peters10/teaching/fall2015/math2600.html

Homework:

    Homework assignments will be given in class and will be due by the beginning of class on Tuesdays. Homework must be turned in either at the beginning of class, during office hours, or in electronic form via email. I will not accept homework put in my mailbox or slid under my office door. Assignments turned in after the beginning of class will be considered late.

    You are allowed, and encouraged even, to work in groups on the homework. However, you must each turn in your own written solutions.

    Assignments which are turned in the Friday before an exam will not be returned before the exam. Make sure to photocopy these assignments so that you may use them to study.

Late homework:

    It is your responsibility to have your homework turned in by the beginning of class on the day it is due. This is the case even if you are unable to attend the class yourself. I will allow late homework without penalty but only if it is turned in during regularly scheduled office hours the same week that it is due. If you turn in late homework you will also have to present to me on the blackboard a problem of my choosing.

Homework guidelines:

    The homework you turn in should look neat and professional. The following guidelines must be followed. If they are not then your homework will be returned ungraded and will be treated as late homework under the guidelines stated above.

    • It must be written on 8.5x11 inch white paper which is either lined or blank. If lined paper is used it should only be three hole punch with no fringe.

    • It should be either typed, or written in pencil or black ink.

    • It should be stapled.

    • The problems must be answered linearly in the order they are assigned.

• It should look neat, with space left between problems and in the margins.

• It should not have scratch work or scribbles on it.

• Your solutions should clearly indicate your reasoning process, credit will not be given if you do not show your work.

• The problems must be written on your homework directly before your solutions. You do not need to write the problems out word for word, but it should be clear enough so that someone can understand the problem without having to refer to the book.

Exam dates (in class):

Thursday, September 29th.

Thursday, October 22nd.

Thursday, November 19th.

Final exam (in class and comprehensive):

Thursday, December 17th, 3:00-5:00pm. No alternate exam will be given.

Grades:

The common grading scale used will be: A:93-100, A-:90-92, B+:87-89, B:83-86, B-:80-82, C+:77-79, C:73-76, C-:70-72, D+:67-69, D:63-66, D-:60-62, F:0-59. The final grade will be based on the homework (25%), tests (15% each), and final exam (30%). Individual exams may be curved as needed but the final grade will not be curved.

Academic integrity:

You will all be held to the standards set forth in the student handbook. For more information visit:

http://www.vanderbilt.edu/studentconduct/

Make-up policy:

There will be no make-up tests or homework assignments. The attendance and make-up policy will follow the guidelines set forth by the College of Arts and Sciences. For more information visit:

http://www.vanderbilt.edu/catalogs/undergrad/artscience.html

Important Dates:

September 9, Last day to drop a course, or to adjust level of math class.

October 15-16, Fall Break. Classes do not meet.

October 23, Last day to withdraw from a class or change from pass/fail to a graded status.

November 21-29, Thanksgiving holiday. Classes do not meet.

December 4-10, Dead Week.

December 10, Last day of class.

December 17, 3:00-5:00pm, Final exam. No alternate exam will be given.