MATH 260 – Introductory Linear Algebra   Spring 2023

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Homepage: http://www.radford.edu/wyang
Course Homepage: https://sites.radford.edu/~wyang/website/260.html
Office Hours: MWF 10-10:50 am
Zoom link: https://radford.zoom.us/j/2868245247

Textbook: Elementary Linear Algebra, Larson, 8th Edition.

Class Meeting Times: We meet in person on MWF 9-9:50 am at **Whitt 003**
Test Dates: To be announced
Grading Policy: 70 % Tests (weekly quizzes)
                      20 % Final Exam
                      10 % Maple assignments

Grade Scale: 90-100   A
                  87-89   B+
                  80-86   B
                  77-79   C+
                  70-76   C
                  67-69   D+
                  60-66   D
                  < 60   F
                   A "–" grade will be awarded at the discretion of the instructor

Prerequisite: High School Algebra

Textbook Coverage: Sections 1.1-1.2, 2.1-2.4, 3.1-3.4, 4.1-4.7, 6.1-6.3, 7.1

"Makeup" Test Policy: No make up will be allowed unless proper documentations are provided

Attendance Policy: Attendance <u>is</u> a requirement in this class. If you miss a class, you are responsible for making up any missed work. Attendance will be taken each class. Attendance means **RESPONSIBILITY** – I look much more favorably on students who have good attendance habits.

Catalog Course Description: Study of matrix operations, systems of linear equations, Gaussian elimination, determinants, basic properties of vector spaces, basis and orthogonality, and eigenvalues and eigenvectors. Computer software such as Maple will be used in this course.

Student Goals and Objectives of the Course: Upon successful completion of the course the student will (1) know basic methods for solving systems of linear equations, (2) be familiar with the basic matrix operations, (3) know how to compute determinants, and will understand the role of determinants in the theory of solvability of linear equations, and invertibility of matrices, (4) understand the role of the rank of a matrix for the solution set of linear equations, (5) know the basic concepts of eigenvalues and eigenvectors,(6) be familiar with typical applications of matrices, and (7) be familiar with the use of calculators and software in matrix computations.

From Center for Accessibility Services (CAS): Students seeking academic accommodations under the Americans with Disabilities Act must register with the Center for Accessibility Services (CAS) to determine eligibility. Students qualified for academic accommodations will receive accommodation letters and should meet with each course professor during office hours, to review and discuss accommodations. To begin the registration process, complete a Student Registration Form and submit documentation to PO Box 6902, Radford, Virginia 24142, or deliver to the Russell Hall, Room 325, by fax to 540-831-6525, or by email to cas@radford.edu (See documentation guidelines). For more information, visit the Center for Accessibility Services (CAS) website or call 540-831-6350.

Honor Code: By accepting admission to Radford University, each student makes a commitment to understand, support, and abide by the University Honor Code without compromise or exception. Violations of the University Honor Code include (but are not limited to): lying, stealing and unauthorized possession of property, cheating, multiple submission, and plagiarism. This class will be conducted in strict observation of the honor code. Refer to your Student Handbook for a complete copy of the University Honor Code.