

Linear Algebra II
101 Bouillon Hall, Mon, Wed & Fri, 2:00 – 2:50 P.M.

Instructor: Dr. Tim Englund**Office:** 108E Bouillon**Homepage:** <http://www.cwu.edu/~englundt>**e-mail:** englundt@cwu.edu**Office phone:** 963 - 1759

Office Hours: Monday thru Wednesday & Friday 11:00 – 11:50, whenever my office door is open (although 12:00 – 1:30 pm and during class will almost always be a bad time) (mornings after 10:00 are better) and, of course, by appointment.

School Closure: Phone 963-2345 for messages if CWU closure after 6:45 A.M.

Final Exam: Thursday, March 20, noon – 2:00 p.m.

Textbook: Linear Algebra Done Right, by Sheldon Axler, 2nd edition.

Course Conduct: The textbook is required and should be brought to each class. Classes will be a mix of lecture, discussion, and student presentation. Daily attendance is, of course, expected. Poor attendance will hurt. Homework assignments will be announced in class. All exams will be announced in advance. Quizzes may or may not be announced in advance.

Course Content: We will be covering the majority of the topics from the first six chapters of the textbook. These are: 1: Vector Spaces 2: Finite-Dimensional Vector Spaces 3: Linear Maps 4: Polynomials 5: Eigenvalues and Eigenvectors 6: Inner-Product Spaces.

The Spotlight Problems: Selected problems from the homework will be collected and graded. Each of these problems will be announced in the previous class and should be written up separately from the rest of your homework. Although you are allowed (and, indeed, encouraged) to work with others on your homework, each of these “Spotlight Problems” must be written in your own words. Problems will be graded not only on correctness, but also on neatness and organization.

Words of Advice: Besides exploring some of the more advanced and theoretical topics in Linear Algebra, this course is meant to serve as a transition from more computationally based classes such as calculus to more proof-oriented upper-level courses. Consequently, you’ll be writing a lot of proofs. Writing proofs is not easy. The best way to learn this is to mimic what you see on the board and in the text. You should expect to commit an **absolute minimum of 10 hours per week** of work outside of the classroom to this course. Having learned to read a math text will be one of the most valuable skills you’ll leave this class with. If anything you’re doing seems academically dishonest, it probably is. If I determine that you have cheated, you will fail the class.

Grading: Grades will be determined by the following:

- a. A 100-point midterm exam.
- b. A comprehensive 100-point final exam.
- c. The spotlight problems will be, in total, worth 100 points.
- d. ”Class participation”/quiz score worth, in total, 25 points. These points will be awarded based upon my perception of your effort in the class.

Note: No (this means **NO! NO! NO! NO! NO! NO! NO!**) late assignments will be accepted. It is your responsibility to make any and all arrangements regarding missed class periods. Arrangements must be made **prior** to an exam that will be missed.

Final Grades will be determined by the following scale:

	100 – 93% = A	92.9 – 90% = A-
89.9 – 87% = B+	86.9 – 83% = B	82.9 – 80% = B-
79.9 – 77% = C+	76.9 – 73% = C	72.9 – 70% = C-
69.9 – 67% = D+	66.9 – 63% = D	62.9 – 60% = D-
	59.9 – 0% = F	

Students with disabilities who wish to set up academic adjustments in this class should give me a copy of their “Confirmation of Eligibility for Academic Adjustments” from the Disability Services Office as soon as possible so we can discuss how the approved adjustments will be implemented in this class.