

Linear Algebra II
Math 365, Spring 2019
1:00-1:50 p.m. MTWTh, Samuelson 244

Instructor: Dr. Fassett

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Office Hours: M,T,W,Th 2-2:50

Text: Linear Algebra Done Right, Third Edition, by Sheldon Axler.

Course Description: As the title suggests, Math 365 is the second course in linear algebra.

Course Goals: Upon successful completion of the course, the student will be proficient in answering questions of both a computational and theoretical nature within the following topics:

- Vector spaces and subspaces
- Linear maps
- Eigenvalues and eigenvectors
- Inner-product spaces

The main goal of the course is for students to learn how to read, understand, and write rigorous mathematical proofs in the setting of linear algebra.

Course Policies:

Attendance: Daily attendance is expected and considered necessary for success. It is your responsibility to find out what was covered on days you are absent. Please bring the text to each class meeting. You are responsible for any announcements made during class regarding course schedule, homework, and exams.

Homework: Problems from each section will be assigned and selected problems will be turned in for grading. You are encouraged to work together on homework but each student must turn in his or her own write-up. Problems turned in for grading will be organized and neatly presented or they will not be graded.

Exams: There will be an in-class midterm exam and a take-home final exam.

Course Grade: Course grades will be assigned according to the following:

Homework	50%
Midterm Exam	25%
Final Exam	25%

Course grades will be assigned based upon the following scale:

100-90% = A	76.9-73% = C+
89.9-87% = A-	72.9-70% = C
86.9-83% = B+	69.9-67% = C-
82.9-80% = B	66.9-63% = D+
79.9-77% = B-	62.9-60% = D
	59.9-55% = D-

I reserve the right to adjust the above scale (in the student's favor) if deemed appropriate.

Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. If you anticipate or experience any barriers to learning, discuss your concerns with the instructor. Students with disabilities should contact Disability Services to discuss a range of options to removing barriers, including accommodations. Call (509) 963-2214 or email ds@cwu.edu for more information.

General Comments: I expect you to take advantage of the text's thorough explanations by reading it in detail. You may find it helpful to write comments in the text that fill in the gaps or highlight questions you would like to address during class.

Many of the problems you will work on will take several attempts over a period of several days. You may even find yourself waking-up in the middle of the night thinking about a particular problem. Be persistent, keep up, work together, and enjoy yourself. After all, this is how the material you will be studying was developed.

I assume everyone has experience writing logically and grammatically correct proofs. As we progress in the course our expectations of each other's proof writing abilities will increase.