

**Instructor** : Aaron Montgomery

**Class** : SAM 149

**Office Hours** : M @ 11am, T @ 1pm, Th @ 1pm & 3pm, and by appointment

**Email** : montgoaa@cwu.edu **Phone** : 963-1906

**Text** : **Linear Algebra** by Jim Hefferon

## Course Outcomes

Students at the end of this course will be able to...

- solve systems of linear equations using efficient solving techniques
- perform basic matrix operations
- determine and use vector space properties
- solve problems requiring the use of eigenvalues and eigenvectors

## Resources

*My Online Video Lectures:* I will post online videos sorted by homework assignment in the **Media Gallery** section of Canvas. Files are named "x.y-title" where x is the homework set and y is the sequence number (for example, the video whose name starts with "2.3" is the third video for Homework 2). Videos for "Homework 0" are miscellaneous topics. It is probably easiest to sort them alphabetically. If I find time, I will put them in playlists, but Canvas makes that a real pain to do, so it may not get done.

*The Text:* The textbook is free and available online at the URL below. There is also an "answers to exercises" at that site, so if you want extra practice, you can work on problems from the text. Note that he also has a series of videos (linked from the URL below) if you get sick of listening to me. He and I cover material in different orders and have different presentation styles.

<https://hefferon.net/linearalgebra/>

*Assignments:* Assignments are found in the **Assignments** section of Canvas.

*Office Hours:* I will hold office hours in my office. You can show up and ask me questions.

*Email:* You can email me questions, and I will respond as quickly as I can. Email responses tend to be terser than Office Hour responses, so if you are really lost, try office hours instead of email.

## Grades

**Homework (120 points):** Nine (9) weekly homework assignments will be assigned and are due to me by 11:59 pm on the due date. Each homework assignment will be worth 15 points, the top 8 scores will count toward your grade. Assignments should be submitted on Canvas and should be a single pdf file. They must be legible, which means in focus and with sufficient contrast that I can read your work. There are many scanner apps for Android and iOS that will combine multiple images into a single pdf file (e.g., *Adobe Scan*), and you can combine multiple images into a single file using computer software such as Microsoft Word (which you should export as a new PDF file, not as a Word document). I will post homework solutions after the homework is due. *Homework 0* is worth 0 points, but you should practice uploading a single pdf file there.

**Late Homework:** If you submit your homework **before the deadline**, I will grade it. If you submit homework **after the deadline, but before I start grading** (usually sometime the next day), I will grade it. If you submit **after I start grading**, I will not grade it, and you will receive a 0 on it. I will drop your low homework score to accommodate unexpected events that cause you to miss a homework assignment.

**Three Exams (120 points):** There will be three exams over the quarter, and each exam will be worth 40 points. I will post review sheets (with solutions) for each exam.

**Final (60 points):** There will be a comprehensive final exam covering all content in the course. It will be worth 60 points.

---

$\geq 87\%$	B+	$\geq 93\%$	A	$\geq 90\%$	A-
$\geq 77\%$	C+	$\geq 83\%$	B	$\geq 80\%$	B-
$\geq 67\%$	D+	$\geq 73\%$	C	$\geq 70\%$	C-
		$\geq 63\%$	D	$\geq 60\%$	D-

### **Cheating**

I anticipate (and hope) that some of you will do your homework together. However, you are still expected to upload your homework individually and not a copy of a single set of solutions. Exams are intended to be taken on your own. If I find that you have cheated on an exam, you will receive a 0 on the exam and be reported to the Dean of Students.

### **Accommodations**

Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. Students with disabilities should contact Disability Services to discuss a range of options to removing barriers, including accommodations. Disability Services is located in Hogue 126. Call (509) 963-2214 or email [ds@cwu.edu](mailto:ds@cwu.edu) for more information.

In compliance with RCW 28B.137.010, Central Washington University makes every effort to deal reasonably and fairly with students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. Students must present written notice to their instructor within the first two weeks of class listing the specific dates on which accommodations are required. Contact the Dean of Student Success at (509) 963-1515 for further information or questions.