

## MATH 2270 Sec. 4 MTWF 9:40 AM - 10:30 AM, Room: JWB 308

---

**Instructor:** Derrick Wigglesworth  
**Office:** JWB 307  
**Office Phone:** 801-581-8338  
**Email:** derrick.wigglesworth@gmail.com  
**Website:** <http://math.utah.edu/~dwiggles/>

**Course Website:** The course website can be accessed through my homepage. Homework assignments and all course materials will be posted to the website weekly. Additional resources can also be found on the course website.

**Office Hours:** Tuesdays 9:30-10:30 & Fridays 1:00-2:00 *OR* by appointment.

**Textbook:** *Linear Algebra*, by David Lay. ISBN: 978-0321385178.

**Prerequisites:** A "C" or better in MATH 2210 *OR* MATH 1260 *OR* MATH 1280 *OR* MATH 1321 *OR* MATH 1320.

**Grade Policy:** The grades will be calculated as follows:

Homework .....	30%
Midterm 1 .....	15%
Midterm 2 .....	15%
Midterm 3 .....	15%
Final Exam .....	25%

I will post grades online on Canvas. Canvas can be accessed easily from the main University of Utah webpage. You can log in using the same username and password that you use for Campus Information Services. You should check that your scores on Canvas agree with the scores on your returned work as I can make mistakes.

### Course Objectives:

- Present basic concepts of matrices and matrix algebra
- Present methods of solving systems of linear equations
- Present basic concepts of vector spaces
- Present concepts of linear transformations and their relation to matrices
- Present the concept of the determinant along with methods of computing it
- Present methods of computing and using eigenvalues and eigenvectors
- Present concepts of orthogonality
- Present methods of diagonalization and decomposition of matrices
- Present applications of the above material

**Calculators:** I will NOT allow calculators on exams. Calculators or computers may be appropriate for certain homework problems, but be careful not to become dependent on them.

**Homework:** There will be one homework assignment each week. Homework assignments will be posted to the course website and will be due in class every Friday, with possible exceptions for weeks in which there is an exam. I will not accept late homework. **Homework must be stapled. Homework held together with paper clips, folded edges, tape, etc. will not be graded.**

**Academic (Dis)Honesty:** Academic dishonesty will not be tolerated. If you cheat on a homework, quiz, exam or other assignment, I will give you a zero for that grade. Depending on the severity, I may decide to fail you from the class. In all cases, I will report the incident to the Dean of Students.

**Extra Help:** Please don't hesitate to come to my office during office hours or by appointment to discuss a homework problem or any aspect of the course. You also may want to consider the Math Department Tutoring Center located in LCB 155. Information is available at: <http://www.math.utah.edu/ugrad/tutoring.html>. If you want to hire a private tutor, you can contact University Tutoring Services in 330 SSB. There is also a list of tutors in the Math Department Office (JWB 233).

**University Attendance Policy:** Students are expected to attend classes regularly. An excessive number of absences may result in failing my course.

**Important Dates:**

Last Day to Add .....	August 30
Last Day to Drop .....	September 4
First Midterm .....	September 25
Last Day to Withdraw .....	October 23
Second Midterm .....	October 30
Third Midterm .....	November 20
Final Exam .....	December 18 8:00-10:00

**Students with Disabilities:** The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations.

All written information in this course can be made available in alternative format with prior notification to the Center for Disability Services.

**Other Policies:**

1. I do not allow the use of computers in my classroom.
2. There will be no retakes of exams. Ever.
3. You may take an alternate exam if you talk to me about it first and explain the extenuating circumstances. It is your responsibility to communicate with me as soon as possible, *before* the exam occurs. I reserve the right to make the alternate exam more difficult than the scheduled exam.
4. If you have circumstances which require flexibility, it is *your* responsibility to communicate with me as soon as possible. The longer you wait, the less willing I am to be accomodating.
5. If you have questions about or problems with an exam grade, you must bring them to my attention within one week of recieving your exam.
6. I will not offer any extra credit at the end of the semester or any other means for you to improve your grade at that time.
7. I reserve the right to alter these policies at any time as I see fit. If such changes are made, I will notify the class via email and post the updated syllabus to the course webpage.