Instructor: Shiang Tang  
Class meetings: MTWF, 10:45am-11:35am, JTB 110  
Office Hours: TBA  
Office Location: JWB 328  
E-mail address: tang@math.utah.edu  
Website: Canvas Math 2270  

Course Description: Euclidean space, linear systems, Gaussian elimination, determinants, inverses, vector spaces, linear transformations, quadratic forms, eigenvalues and eigenvectors, diagonalization. **Textbook:** *Linear Algebra and Its Applications, Fifth Edition, Lay-Lay-McDonald.* We will cover 1.1-1.9 (except 1.6), 2.1-2.3, 3.1-3.2, 4.1-4.7, 5.1-5.5, 6.1-6.5 (except 6.4), 7.1-7.2. We will cover about one section per lecture (40-50 min). The first 5-10 minutes of a typical lecture may be used to go over some homework or quiz problems.

Course Grading Components:  
- **Homework (20 percent):** These weekly homework (stapled, no rough edges) will be collected on Fridays. Only half of the problems will be graded, which will not be informed beforehand. The lowest two scores will be dropped.  
- **Quizzes (10 percent):** A 10 minute quiz will be given on each Friday (with possibly few exceptions). The lowest two scores will be dropped.  
- **Midterms (40 percent):** Two in class midterms will be given, each of which takes up 20 percent. Calculators, note cards are allowed. The dates are to be determined before the start of the semester.  
- **Final Exam (30 percent):** A comprehensive final test will be given in the end of the semester. It will be on Friday, April 27, 2018, 10:30 am-12:30 pm.  

Additional support:  
- Come to my office hours. This time is scheduled for you to come and ask questions on any of the material covered in class/homework/exams or any mathematical inquiry you may have.  
- The math department offers free drop-in tutoring for students enrolled in this class. The center is located underneath the walkway between LCB and JWB and can be accessed by entering either building. They are open Monday - Thursday 8 AM - 8 PM and Friday 8 AM - 6 PM.  
- A list of private tutors is available from the Math Department office.  

**ADA Statements:** 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 information in this course can be made available in alternative format with prior notification to the Center for Disability Services. ([www.hr.utah.edu/oeo/ada/guide/faculty/](http://www.hr.utah.edu/oeo/ada/guide/faculty/))

**Faculty and Student Responsibilities:**

1. You will receive regular communication from me in Canvas about the assignments and other information. I expect you will read those in a timely manner. (If you do not check Canvas mail regularly, forward it to an address you do check often).
2. You may take an alternate exam if you talk to me about it before the exam occurs and document the extenuating circumstances that make it necessary. Talking to me after the exam occurs is too late and you will get a 0 on the exam.

3. If you miss an assignment or exam due to an unforeseeable emergency, contact me as soon as possible with documentation of what happened. Depending on the situation, this assignment/exam may be waived.

4. (Academic dishonesty) If you cheat on any lab, quiz or exam, you will automatically get a zero for that grade. Depending on the severity of the cheating, I may decide to fail you from the class.

5. The syllabus is not a legally binding contract. The instructor reserves the right to change any portion of the syllabus provided you are given enough notice.