

Math 221 (102) Matrix Algebra – Fall 2015
Lectures 10AM-11AM MWF in LSK 201

Course website: <http://www.math.ubc.ca/~jtzou/TEACHING/MATH221/MATH221.html>

Instructor: Dr. Justin Tzou (jtzou@math.ubc.ca)

Office hours: Mondays and Thursdays 11AM-12PM in LSK 300B, **AND**

Office hours by appointment: My office is in a no-student area - default meeting place will be in the seating area in the south end of ESB first floor unless otherwise agreed upon. I will also usually be available right after class for quick questions.

Grades will be assigned using the following formula:

- computer lab assignments: 20%
- quizzes: 30% (6 quizzes worth 5% each; lowest quiz grade will be replaced by clicker score out of 5% if that is to your advantage)
- final exam: 50%

Attendance at all quizzes is mandatory. Missing a quiz or submitting work late normally results in a mark of 0. Exceptions may be granted in two cases: prior consent of the instructor or a medical emergency. In the latter case, the instructor must be notified within 48 hours of the missed item, and presented with a doctor's note immediately upon the student's return to UBC. No make-up quizzes will be given. **However**, I will compute a clicker grade out of 6 points that will replace your lowest quiz grade if that is to your advantage. How that grade is computed will depend partially on the number of clicker questions in the term. **You will receive at least 4/6 if you participate in all clicker questions.**

You must submit only your own homework, own quizzes, own clicking, etc. Although you are welcome to study together and discuss the homework with other students, the work you submit (electronically, on paper, or via clickers) must be your own. UBC policies on cheating and plagiarism are extremely strict. If in doubt, inquire before submitting.

Clickers will be used in this section. Everyone needs to get a clicker (available at UBC bookstore - make sure to register clicker via Connect).

Course textbook: Linear Algebra and its Applications (third custom edition for UBC) by David C. Lay. Available at UBC bookstore.

The syllabus includes essentially all sections of the course textbook with possible slight deviations.

Quizzes will be held in class every second Friday. Preparatory questions will be posted online in advance of the quiz. You must work all problems in advance of the quiz in order to be prepared.

Computer assignments will be assigned, due every 2 weeks. To complete the labs, you will need to use Matlab. A basic student (unbundled) version of Matlab can be purchased and downloaded from Mathworks for \$49. You do not need any additional toolboxes for this class. Alternatively, you can use the department computer labs. More information will be posted later. Lab help will be available at times/locations TBA.

Registration: I will not sign add/drop forms. All adding and dropping procedures must be performed through the Mathematics office. You must be officially registered in the class in order to receive a final grade. We will not grade work from students who are not officially registered.

A practice midterm (not to be turned in, not for credit) will be available in late October.