### Elementary Linear Algebra, Fall 2017
**Mathematics 125**

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<thead>
<tr>
<th>Section</th>
<th>Location</th>
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<tbody>
<tr>
<td>A1</td>
<td>David Kinley Hall 114</td>
<td>MWF 8:00 – 8:50 am</td>
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<tr>
<td>F1</td>
<td>David Kinley Hall 114</td>
<td>MWF 2:00 – 2:50 pm</td>
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<tr>
<td>G1</td>
<td>David Kinley Hall 114</td>
<td>MWF 3:00 – 3:50 pm</td>
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</tbody>
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Lecturer: Sarka Petrickova (petrckv2@illinois.edu)
Head TA: Elliot Kaplan (eakapla2@illinois.edu)
Webpage: [https://faculty.math.illinois.edu/~petrckv2/math125.html](https://faculty.math.illinois.edu/~petrckv2/math125.html)
Tutoring: 447 Altgeld Hall, Mon.–Thu., 4–7 pm

### Required items

**eText & WebAssign**

We will be using the eText *Elementary Linear Algebra* written by Dr. Bob Muncaster. You can buy the eText & WebAssign bundle on [https://go.illinois.edu/math125etext](https://go.illinois.edu/math125etext). You can use both the eText and WebAssign for free during the first two weeks.


**Calculator**

A TI-83, TI-83+, TI-84, or TI-84+ calculator is required (Silver version is fine). The TI-Nspire with Touchpad is also an option (must have a TI-84 keypad - see next note on disallowed calculators). You may use it on exams, however, you will still be required to show work in most cases. The use of any other graphing calculators (including the CX and CAS versions of TI-Nspire, TI-85, TI-86, TI-89, etc.) will not be allowed during exams. If you bring an unapproved calculator to the exam, you will have to take the exam without a calculator.

**iClickers**

iClickers are required for all sections of this class. Students are required to bring iClickers with them to all lectures.

You may purchase any of the following models: The original iClicker, iClicker +, iClicker 2. The remote is available for purchase through the bookstore or through a variety of online vendors.

Register your clicker within Learn@Illinois:
Go to [https://learn.illinois.edu/](https://learn.illinois.edu/) and click on the link at the left entitled “Student Registration”, in the iClicker block. Enter your iClicker Remote ID in the required field and click Submit. The remote ID is the series of numbers and letters found on the back of your iClicker remote.

Do not register your clicker on iclicker.com. If you register on iclicker.com instead of Learn@Illinois, I will not be able to match your responses with your name and you will not receive credit!
The components of your grade are as follows:

- **Homework**: 10% of Final Grade
- **Midterm Exam 1**: 20%
- **Midterm Exam 2**: 20%
- **Midterm Exam 3**: 20%
- **Final Exam**: 30%

Compute your score:

\[ \text{HW} \cdot 10\% + \text{EX1} \cdot 20\% + \text{EX2} \cdot 20\% + \text{EX3} \cdot 20\% + \text{FINAL} \cdot 30\% \]

**Homework:** Following most lectures a WebAssign assignment will be posted designed to develop the computational skills and understanding for that lecture. It must be completed within 3 days of the time it is assigned. The due time will always be 11:59 pm. You are free to discuss the homework with your classmates, but we strongly encourage you to understand the solution yourself. Do not assume you understand something just because someone told you how to do it. Remember that no collaboration will be allowed during in-class tests and exams. Online HW must be accessed via the following web-link: [https://www.webassign.net/uiuc/login.html](https://www.webassign.net/uiuc/login.html)

**Midterm exams**

We will have three midterm evening exams. The location of your exam will be announced the week before.

- **Exam 1**: Monday, October 2, 7pm
- **Exam 2**: Monday, October 30, 7pm
- **Exam 3**: Monday, December 4, 7pm

We will have in-class review sessions on the exam days. Three Friday classes will be canceled: Sept 15, and likely November 17 (Friday before Thanksgiving break) and December 1 (Friday before your third exam).

Conflict exams will only be given if you fill in the **Conflict Exam Request Form** at least a week before the exam. You must provide justification for the conflict. You must attach an official documentation supporting your request (letter from Dean, your class schedule, etc.).

**Final Exam**

The final exam will be cumulative, and a combined final exam will be held for all sections of Math 125. The date, time, and location of the final exam is yet to be verified. Conflict final exam will only be given if you fill in the **Conflict Final Exam Request Form** by the date that will be specified on the course webpage.

**BONUS points**

- **Pre-lecture Quizzes**: Before almost every lecture, you can collect bonus points by completing a pre-lecture quiz on WebAssign. The goal of these pre-lecture questions is to make sure that you understand basic terms and concepts that will be discussed in the next lecture. Each pre-lecture quiz will contain only a few (about three) multiple-choice question and completing it should be quick.
- **iClickers**: During almost every lecture, you can earn bonus points by participating in iClicker questions. For each question you answer (not necessarily correctly), you earn 1 point. For each correct answer you additionally receive 0.1 points (if there is a correct answer).

Bonus points will be used to replace up to half of your worst midterm score by a perfect score. The more bonus points you collect, the larger part of your worst midterm exam will be replaced. Suppose that your exam scores were EX1 = 80, EX2 = 60, and EX3 = 70 (out of a 100). If you collected all possible bonus points, then your original exam score EX2 = 60 would be replaced by EX2 = 60 \cdot \frac{1}{2} + 100 \cdot \frac{1}{2} = 80. If you collected half of the total number of bonus points, then your EX2 = 60 would be replaced by EX2 = 60 \cdot \frac{3}{4} + 100 \cdot \frac{1}{4} = 70.
Check your grade: [http://learn.illinois.edu](http://learn.illinois.edu)

Cutoffs

Maximum cutoffs for letter grades will be at the traditional 90%, 80%, etc., with plus and minus grades given at the following intervals (curves may be used to maintain historical grade distribution).

- **A+**: 97 - 100
- **A**: 93 - 96.99
- **A-**: 90 - 92.99
- **B+**: 87 - 89.99
- **B**: 83 - 86.99
- **B-**: 80 - 82.99
- **C+**: 77 - 79.99
- **C**: 73 - 76.99
- **C-**: 70 - 72.99
- **D+**: 67 - 69.99
- **D**: 63 - 66.99
- **D-**: 60 - 62.99
- **F**: 59.99 and below

Midterm Grade

The drop deadline for semester-long courses is Friday, October 20, with freshman midterm grades due by noon on Tuesday, October 17. The following formula will be used to determine your midterm grade: \( \text{EX1} \cdot 80\% + \text{HW} \cdot 20\% \).

Getting help

Tutoring:

The Math Department will host free walk-in tutoring for this class Monday, Tuesday, Wednesday, Thursday 4 – 7 pm in Altgeld 447. Tutoring hours begin Tuesday, September 5th, and there will be no tutoring during the week after a midterm exam.

Piazza Q&A forum:

If you have questions about anything related to the course, please post them on Piazza rather than emailing the instructor or TAs. [https://piazza.com/illinois/fall2017/math125](https://piazza.com/illinois/fall2017/math125)

- Post your question in the correct folder. There will be a folder for each HW, numbered as in WebAssign.
- The better you describe your problem, the better (and faster) answers you get. Ideally you want to post all your work and a screen shot of any resource referenced.
- Please do not post anything resembling a solution to a homework problem before it is due.

All student questions about enrollment switching classes, adding this class, prerequisites, etc. should be directed to Math Advising: mathadvising@illinois.edu.

If you have any other question, please email the head TA Elliot Kaplan at eakapla2@illinois.edu. Before emailing him, check the syllabus and Piazza to make sure the answer to your question is not there!

Course policies

Exam Calculator Policy

The storage of notes and formulae in your calculator is prohibited and will be considered cheating. You are responsible for the calculator you bring to the exam, even if it is not yours but borrowed for the occasion.
You will not be allowed to use calculators with any programs other than PIVOT (a special program we will supply to you). The proctors will check every calculator before the exam to ensure that this rule is followed.

If you need to delete programs from your calculator, here are instructions for doing so:

1. Press the ”2nd” and the ”+” button (MEM option).

2. In the options that come up on the screen, choose ”Mem Mngmt/DELETE.” (This option will be simply ”Delete” in some models).

3. In the options that come up, go down and choose ”Programs.”

4. For each program other than PIVOT, choose it and hit the ”DEL” key.

5. It will give you a message asking you to confirm deletion. Choose ”YES”.

6. Repeat steps 4 and 5 for each program until you have deleted all programs other than PIVOT.

It is your responsibility to come into the exam with a program-free calculator.

**Academic Integrity Violations**

The student academic integrity code can be found in the Student Code - Article 1 Part 4. In accordance with these policies, the penalty that an instructor is permitted to impose for cheating of any kind on any graded material or calculator policy violation in this class is anything up to immediate failure of the course and a letter placed in the student’s permanent school file. Such actions can have a significant impact on your career well beyond your undergraduate training. **Integrity is something WE ALL should protect.**

**DRES Accomodations**

If you are recommended for exam accommodations by DRES, your instructor must be notified and presented with official documentation NO LATER THAN one week before the first exam for which an accommodation is requested.

**Attendance**

It is your responsibility to attend class. If you miss or are late to class, contact another student to get the lecture notes. Do not email the instructor. There will often be announcements made in class about the tutoring rooms, room changes for exams, etc. If you miss class or arrive late, check the website or talk to someone else in the class about any important announcements.

**Classroom Decorum**

These are very large lectures with many people. The classroom environment should be conducive to learning by all. Please keep chit-chat to a minimum, cell phones turned off, etc. If your behavior is disrespectful to your classmates, you will be asked to leave.

**Returned Work and Grade Disputes**

Homework will be returned online. Exams will be returned in class. Solutions to graded exams will be posted before the exams are returned to you. Grading issues should be discussed with the instructors in office hours and must be initiated using the Grade Explanation Form on the class website. You have exactly one week after the day your work is passed back online or in class to discuss these issues. After this time, no changes will be made to your score.