Lecture 1A

Math 231E, Fall 2016

22 August 2016
Welcome to Math 231!

Professor Lee DeVille
342 Illini Hall
217-333-5601
rdeville@illinois.edu

http://www.math.illinois.edu/~rdeville/teaching/231-16/index.html
Fall 2016:

Lee DeVille (Mathematics) lecturer (Lecture EL1, EL2)
Kevin Pitts (Physics) recitation section and worksheet coordinator
Fall 2016:

Lee DeVille (Mathematics) lecturer (Lecture EL1, EL2)
Kevin Pitts (Physics) recitation section and worksheet coordinator

+ 11 TAs (both Math and Engineering)

+ 20–25 multiple undergraduate graders
Organization

Fall 2016:

Lee DeVille (Mathematics) lecturer (Lecture EL1, EL2)
Kevin Pitts (Physics) recitation section and worksheet coordinator

+ 11 TAs (both Math and Engineering)
+ 20–25 multiple undergraduate graders
+ \approx 600 undergraduate students
as of 22 August 2016 — 593 students registered

<table>
<thead>
<tr>
<th>Department</th>
<th>Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace</td>
<td>37</td>
<td>6.23%</td>
</tr>
<tr>
<td>Bioengineering</td>
<td>19</td>
<td>3.20%</td>
</tr>
<tr>
<td>Chem &amp; Biomolecular</td>
<td>34</td>
<td>5.73%</td>
</tr>
<tr>
<td>Civil &amp; Environmental</td>
<td>46</td>
<td>7.76%</td>
</tr>
<tr>
<td>Computer Science</td>
<td>107</td>
<td>18.03%</td>
</tr>
<tr>
<td>Electrical &amp; Computer</td>
<td>116</td>
<td>19.61%</td>
</tr>
<tr>
<td>General Engineering</td>
<td>34</td>
<td>5.73%</td>
</tr>
<tr>
<td>Industrial &amp; ESE</td>
<td>28</td>
<td>4.72%</td>
</tr>
<tr>
<td>Material Sci</td>
<td>28</td>
<td>4.72%</td>
</tr>
<tr>
<td>Mechanical Sci</td>
<td>82</td>
<td>13.78%</td>
</tr>
<tr>
<td>Nuc, Plas &amp; Rad</td>
<td>13</td>
<td>2.19%</td>
</tr>
<tr>
<td>Physics</td>
<td>49</td>
<td>8.26%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical &amp; Computer</td>
<td>116</td>
<td>19.6%</td>
</tr>
<tr>
<td>Computer Science</td>
<td>107</td>
<td>18.0%</td>
</tr>
<tr>
<td>Mechanical Sci</td>
<td>82</td>
<td>13.8%</td>
</tr>
<tr>
<td>Physics</td>
<td>49</td>
<td>8.26%</td>
</tr>
<tr>
<td>Civil &amp; Environmental</td>
<td>46</td>
<td>7.76%</td>
</tr>
<tr>
<td>Aerospace</td>
<td>37</td>
<td>6.23%</td>
</tr>
<tr>
<td>Chem &amp; Biomolecular</td>
<td>34</td>
<td>5.73%</td>
</tr>
<tr>
<td>General Engineering</td>
<td>34</td>
<td>5.73%</td>
</tr>
<tr>
<td>Industrial &amp; ESE</td>
<td>28</td>
<td>4.72%</td>
</tr>
<tr>
<td>Material Sci</td>
<td>28</td>
<td>4.72%</td>
</tr>
<tr>
<td>Bioengineering</td>
<td>19</td>
<td>3.20%</td>
</tr>
<tr>
<td>Nuc, Plas &amp; Rad</td>
<td>13</td>
<td>2.19%</td>
</tr>
</tbody>
</table>
1. Math 299 — doesn’t meet anywhere, extra hour of credit
1. Math 299 — doesn’t meet anywhere, extra hour of credit
2. Textbook: *Calculus: Early Transcendentals (7E)* by James Stewart
Course information

1. Math 299 — doesn’t meet anywhere, extra hour of credit
2. Textbook: *Calculus: Early Transcendentals (7E)* by James Stewart

3. Webassign: We will use this online homework system. See class webpage for more detail.
Course components

- **Homework**
  - Webassign homework, one per lecture (3 per week)
    - labeling: WA{week number}[ABC]
  - Written homework, due weekly (1 per week)
    - labeling: HW{week number}.pdf
  - Worksheets in discussion sections (2 per week)
    - labeling: WS{week number}[AB].pdf

- **All assignments are named by their due dates.**
  - For example, WA03B will be due on the Wednesday (lecture B) of week 3
Course components

- **Homework**
  - Webassign homework, one per lecture (3 per week)
    - labeling: WA{week number}[ABC]
  - Written homework, due weekly (1 per week)
    - labeling: HW{week number}.pdf
  - Worksheets in discussion sections (2 per week)
    - labeling: WS{week number}[AB].pdf

- **All assignments are named by their due dates.**
  - For example, WA03B will be due on the Wednesday (lecture B) of week 3

- Midterm Exams (3)

- Final
Worksheets

- Two worksheets per week, in discussion sections on TR.
- Open-ended, “project”–type problems
- Worksheets are completed during the hour.
Worksheets

- Two worksheets per week, in discussion sections on TR.
- Open-ended, “project”–type problems
- Worksheets are completed during the hour.
- Group work! Grade on worksheet is shared by the group.
Worksheets

- Two worksheets per week, in discussion sections on TR.
- Open-handed, “project”–type problems
- Worksheets are completed during the hour.
- Group work! Grade on worksheet is shared by the group.
- Lateness policy is strict due to group work.
  - You cannot join groups after they’ve started!
  - Also, written homework HW{?} is due at the beginning of section
Two worksheets per week, in discussion sections on TR.
- Open-ended, “project”—type problems
- Worksheets are completed during the hour.
- Group work! Grade on worksheet is shared by the group.
- Lateness policy is strict due to group work.
  - You cannot join groups after they’ve started!
  - Also, written homework HW{?} is due at the beginning of section
- Make sure you go to discussion tomorrow!
All midterms are 7–9pm on Thursday
- Midterm 1: September 15
- Midterm 2: October 13
- Midterm 3: November 10

If you have a conflict with the times of any of the exams, fill out the conflict form ASAP.

Also, please see the course website for university policy on conflict exams.
Midterm and Final Exams

- All midterms are 7–9pm on Thursday
  - Midterm 1: September 15
  - Midterm 2: October 13
  - Midterm 3: November 10

- If you have a conflict with the times of any of the exams, fill out the conflict form ASAP.

- Also, please see the course website for university policy on conflict exams.

- Good news: for each night exam, we have one day of lecture off!
Where to get help

- Course website.
- Mathematical inquiries:
  - Tutoring Room,
  - talk to your TA,
  - talk to me (after lecture or during office hours),
  - Piazza discussion forum
Where to get help

- Course website.
- Mathematical inquiries:
  - Tutoring Room,
  - talk to your TA,
  - talk to me (after lecture or during office hours),
  - Piazza discussion forum
- Requests for excused absences (homework and worksheets): Excuse Request Webform
- Requests for conflict exams: Conflict Exam Webform
Tutoring Room

Fourth floor of Grainger library, west side
Open Monday through Thursday 5:00 – 8:00
You can go at any and all times, starting next week.