Announcements from lecture

Wednesday, 12/8

- Today is the last day of class.
- Bring the following items to the final exam:
  - Pencil and eraser (part of the exam is multiple choice).
  - University ID
- Sample problems from old math 231 finals are available.
- Solutions to yesterday's worksheet are posted:
  - As announced there, you are not responsible for the material in problems 5, 6, 8, 9.
  - You are responsible for the material in the other problems--these are good practice problems for the final.
- Please check our records of your scores.
  - If there are errors, please email your professor by 5 pm on Friday, December 10.
- Registration for the conflict exam should be complete.
  - If you are registered then you have already received an email from your professor.
- Professor Ahlgren will have office hours Thursday 10-11 and Friday 1-3 this week.

Monday, 12/6

- Information about final exam is now available. Use it to make your study plan.
- Online polar coordinate plotter. Useful for visualization--drag the slider at the bottom to see the curve being drawn.
- Final HW for the course (previously assigned):
  - OHW 22. Due Tuesday, 12/7 at 9 am. The graphing problems are multiple choice. But it is important that you know how to draw the graphs yourself.

Friday, 12/3

- Information about final exam is now available.
- Professor Ahlgren's office hours are canceled today. He will have office hours Monday 1:30-3.
- Online polar coordinate plotter. This is a helpful tool for visualization--drag the slider at the bottom to see the curve being drawn.
- New HW:
  - OHW 22. Due Tuesday, 12/7 at 9 am. The graphing problems are multiple choice. But it is important that you know how to draw the graphs yourself.
- Previously assigned HW:
  - OHW 21. Due Friday, 12/3 at 5 pm.
- Carols

Wednesday, 12/1

- Information about final exam is now available. Please read carefully.
- Professor Ahlgren's office hours this week: Thursday 10-12. He will have more hours next week.
- Suggested practice problems from chapter 10 are now posted (will not be collected).
- New HW:
  - OHW 21. Due Friday, 12/3 at 5 pm.
- Previously assigned HW:
  - HW 15. Due Thursday, 12/2 in sections.

Monday, 11/29

- New HW:
  - HW 15. Due Thursday, 12/2 in sections.
- Previously assigned HW:
  - HW 14. Due Tuesday, 11/30 in sections.

Friday, 11/19

- New HW:
  - HW 14. Due Tuesday, 11/30 in sections.
- Solutions to yesterday's worksheet are on the Worksheet page.
- Professor Ahlgren's office hour finishes today at 2pm.
- We hope you enjoy your Thanksgiving Break!
**Wednesday, 11/17**

- Previously assigned HW:
  - HW 20. Problems from 11.8. Due Friday, 11/19 at 9 am.
  - HW 13. Due Thursday, 11/18 in sections.

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**Monday, 11/15**

- Reminder: This is a full week of classes.
- New HW:
  - HW 20. Problems from 11.8. Due Friday, 11/19 at 9 am.
  - HW 13. Due Thursday, 11/18 in sections.
- Previous HW:

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**Friday, 11/12**

- New HW:
- Prof. Ahlgren's office hours start at 1:15 today.

**Midterm 3.**

- Mean: 73.5
- Median: 74

- [Exams and solutions](#) (login required).
- Regrade requests must be given to your professor by **4pm today**.
  Adding errors or score recording errors can be handled by your TA.
- The grade ranges below below give **approximate** and **very rough** grade cutoffs for this exam.

<table>
<thead>
<tr>
<th>Approximate grade cutoffs for Midterm 3</th>
</tr>
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<tbody>
<tr>
<td>A 85-100</td>
</tr>
<tr>
<td>B 73-85</td>
</tr>
<tr>
<td>C 58-73</td>
</tr>
<tr>
<td>D 40-58</td>
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<tr>
<td>F &lt; 40</td>
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</tbody>
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**Wednesday, 11/10**

- Midterm 3 will be returned tomorrow in sections.
  Median: 74. Approximate grade ranges and exam solutions will be posted tomorrow on the main class webpage.
- Re-grading requests must be made to your professor by **4pm on Friday, November 12**. Turn in your exam and a brief explanation of your request.
  Adding errors or score recording errors can be handled by your TA.
- **Last two pages of exam**
- **HONORS MATH 241** is open to students with a grade of A in 231. The sections are C1H, F1H. You must contact advising@math.uiuc.edu to register.

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**Friday, 11/5**

- Midterm 3. (20% of final grade). Monday, November 8, 7:15-8:15 pm. You will be allowed to work until 8:30 if you wish.
- [Information on the midterm](#) is available now on the class webpage.
- **Students who are signed up for the conflict exam have now received an email with information.**
- Calling all CEE freshmen: ASCE is organising a freshman photo Scavenger hunt at 2pm on Saturday November 6th. We'll be meeting at Newmark lab... and there'll be free pizza!
- **HONORS MATH 241** is open to students with a grade of A in 231. The sections are C1H, F1H. You must contact advising@math.uiuc.edu to register.
Wednesday, 11/3

- Midterm 3. (20% of final grade). Monday, November 8, 7:15-8:15 pm. You will be allowed to work until 8:30 if you wish.
- Information on the midterm is available now on the class webpage.
- If you need to take the conflict exam, email your professor today by 5 pm. Include
  - Net ID
  - Description of conflict.
- Practice problems from Sections 11.1, 11.2, 11.3 are listed on the assignments page.
- Previous HW:
  - OHW 18. Problems from 11.2. Due Thursday, 11/4 at 9 am.

Monday, 11/1

- Midterm 3. (20% of final grade). Monday, November 8, 7:15-8:15 pm. You will be allowed to work until 8:30 if you wish.
- More information on the midterm will be available very soon on the class webpage.
- If you need to take the conflict exam, email your professor by Wednesday, November 3 at 5 pm. Include
  - Net ID
  - Description of conflict.
- New HW:
  - OHW 18. Problems from 11.2. Due Thursday, 11/4 at 9 am.
- Previous HW:
  - HW 11. Due Tuesday, 11/2 in sections. Problems from 8.2, 8.3
  - OHW 17. Seven problems from 11.1. Due Wednesday, 11/3 at 9 am (we recommend that you do it sooner).

Friday, 10/29

- Professor Ahlgren's office hours today are 2-4 pm.
- The Hoover dam
- OHW 17. Seven problems from 11.1. Due Wednesday, 11/3 at 9 am (we recommend that you do it sooner).
- Previous HW:
  - OHW16. Due Monday, 11/1 at 9 am (we recommend that you do it sooner). Problems from 8.3.
  - HW 11. Due Tuesday, 11/2 in sections. Problems from 8.2, 8.3

Wednesday, 10/27

- Professor Laugesen has no office hours tomorrow. Professor Ahlgren will substitute for him in lecture on Friday.
- New HW.
  - OHW16. Due Monday, 11/1 at 9 am (we recommend that you do it sooner). Problems from 8.3.
  - HW 11. Due Tuesday, 11/2 in sections. Problems from 8.2, 8.3
  - The great molasses flood

Monday, 10/25

- No new HW.
- Previously assigned HW:
  - HW 10. Due Tuesday, 10/26 in sections. Some problems from 8.1 have been added.
  - OHW15. Due Wednesday, 10/27 at 9 am (we recommend that you do it sooner). Problems from 8.1, 8.2

Friday, 10/22

- Professor Ahlgren has no office hours today.
- New HW:
  - OHW15. Due Wednesday, 10/27 at 9 am (we recommend that you do it sooner). Problems from 8.1, 8.2.
- Previously assigned HW:
  - HW 10. Due Tuesday, 10/26 in sections. Some problems from 8.1 have been added.

Wednesday, 10/20

- Professor Ahlgren's office hours changed to Wed, 1:00-2:30 this week only.
New HW:
- HW 10. Due Tuesday, 10/26 in sections.

Previously assigned HW:
- OHW13. Due Thursday, 10/21 at 9 am. Problems from 7.4.
- HW 9. Due Thursday, 10/21 in sections.

Monday, 10/18

- Professor Ahlgren's office hours changed to Wed, 1:00-2:30 this week only.
- OHW13. Due Thursday, 10/21 at 9 am. Problems from 7.4.
- HW 9. Due Thursday, 10/21 in sections.
- Previously assigned HW:
  - HW 8. Due Tuesday, 10/19 in sections.

Friday, 10/15

- OHW12. Due Monday, 10/18 at 9 am. Problems from 7.1, 7.2, 7.3.
- HW 8. Due Tuesday, 10/19 in sections.
- All requests for regrades must be to your professor by 4 pm today. Write a sentence of explanation on the cover page of your exam.
- From yesterday's worksheet:
  - Single slit diffraction
  - Relationship to graph of intensity

Monday, 10/11

- Midterm 2 is tonight.
- Know your room assignment, and bring your I-card.
- No section meetings tomorrow (Tuesday).

Friday, 10/8

- Midterm 2 information is available.
- The Midterm will be on Monday evening. Monday's lecture will be review.
- No section meetings on Tuesday.

Wednesday, 10/6

- Midterm 2 information is available.
- Recap of worksheet 12.
- Picture of an actual napkin ring.

Monday, 10/4

- Midterm 2. (20% of final grade). Monday, October 11, 7:15-8:15 pm. You will be allowed to work until 8:30 if you wish.
- More information on the midterm will be available very soon on the class wiki (webpage).
- If you need to take the conflict exam, email your professor by tomorrow at 5 pm.
- Remember that the tutoring room is open Monday--Thursday in 345 Altgeld Hall, 5-7 pm.
- Recommended practice problems for today's lecture (not to turn in) are on the assignments page.
- Previously assigned HW:
  - OHW11. Due Tuesday, 10/5 at 9 am. Problems from 6.1, 6.2, 6.3.
  - HW 7. Due Tuesday, 10/5 in sections.

Friday, 10/1

- OHW11. Due Tuesday, 10/5 at 9 am. Problems from 6.1, 6.2, 6.3.
- HW 7. Due Tuesday, 10/5 in sections.
- Previously assigned:
  - OHW10. Due today at 8 pm.
- Calculus on the Simpsons
Interactive examples from the TEC area of the publisher's website
  - Volume of revolution
  - Volumes using disks, washers, shells

**Wednesday, 9/29**

- OHW10. Due Friday, 10/1 at 8 pm (note time change). Problems from 5.3, 5.4.
- Previously assigned:
  - HW 6. Due Thursday, 9/30 in sections.
    - For 5.3 # 62a,d,e, to investigate the sine integral function you can use Wolfram Alpha.
  - **IMPORTANT:** You must know how to do problems 7 through 70 in section 5.5. Do as many of these as you need to for practice.

**Monday, 9/27**

- Previously assigned HW (no new assignment today)
  - HW 5. Due Tuesday, 9/28 in sections.
  - HW 6. Due Thursday, 9/30 in sections.
  - An example of computing a definite integral from the definition is posted on the main wiki page.

**Friday, 9/24**

- HW 5. Due Tuesday, 9/28 in sections.
- HW 6. Due Thursday, 9/30 in sections.
- Summation formulas from Appendix E (for help on "sigma" notation, see Appendix E)
- Wolfram Alpha

**Wednesday, 9/22**

- OHW 8. (6 problems from sections 5.1 and 5.2). Due Friday, 9/24 at 9 am.
- Graphs of the Maxwell-Boltzman distribution from worksheet 8.
- Interactive examples from the TEC area of the publisher's website
  - Estimating the area under $y=x^2$
  - Estimating the area under various curves
  - Approximating an Integral with Riemann Sums

**Monday, 9/20**

- All requests for midterm regrading must be received by your professor by 3 pm today.
- Check your midterm grade online to be sure that it is correct.
- OHW 7. Due Tuesday, 9/21 at 9 am.
- HW 4. Due Thursday, 9/23 in sections.
- HW 5. Due Tuesday, 9/28 in sections.

**Friday, 9/17**

- Solutions to midterm are posted.
- OHW 7. Due Tuesday, 9/21 at 9 am.
- HW 4. Due Thursday, 9/23 in sections.

**Monday, 9/13**

- No tutoring room on Wed, 9/15.
- Material for discussion of problem 61, section 2.5

**Friday, 9/10**

- Information about midterm is posted.
- Sample differentiation problem from 2008 exam
Wednesday, 9/8

- HW must be stapled, without tattered edges. Graders will deduct points if not.
- If you are interested in math contests, please visit the U of I Math Contests Webpage.
- OHW 6. Due Friday, 9/10 at 9 am.
- HW 3 due in sections tomorrow. Here is a hint for Section 2.5, number 62.
- Exam 1. Wednesday, 9/15 in class. More information about the exam is coming Friday. Start studying.
- List of differentiation rules for lecture today. You are responsible for knowing all of these.
- Recommended practice problems on differentiation are listed on the Assignments page. You can check your work using the student solution manual.
- Remember to check the Discussion Space for hints on problems.

Friday, 9/3

- OHW 4. Due Tuesday, 9/7 at 9 am.
- OHW 5. Due Wed, 9/8 at 9 am.
- HW 3. Due Thu, 9/9 in sections.
- Cycloid video related to yesterday’s worksheet
- Theorems on continuity for later in this lecture

Wednesday, 9/1

- OHW 4 Due Tuesday, 9/7 at 9 am (we recommend that you do it by Friday)
- HW 2 Due Tues, 9/7 in sections (problems have been added)
- Prof. Ahlgren’s office hours will be 1-3 pm on Fridays. He will be available 2-4 pm today.
- List of limit laws for today’s lecture.

Monday, 8/30

- OHW 3 due Wed, 9/1 at 9 am.
- HW 2 due Tues, 9/7 in sections--more problems will be added later this week.
- Hints for HW problems which have red numbers can be found through the TEC link at the publishers’ website.
- Remember the tutoring room is open 5-7 pm, Monday--Thursday, in 345 Altgeld Hall.

WebAssign.
- If you have not followed the instructions from Friday by 5 pm today, then you run the risk of losing credit for your first two assignments. All of the following need to be done.
  1. Enter your registration code, OR else email professor with the requested information.
  2. Small section number corrected (if necessary)
  3. University email (...@illinois.edu) used as your email address in WebAssign.

Friday, 8/27

- WebAssign: In order to receive credit for your assignments, please do the following as soon as possible, and by 9 am, Monday, 8/30 at the latest.
  1. If you have a registration code for WebAssign but have not entered it, then enter it now.
  2. If you registered in the wrong section, email your professor giving the correct section.
  3. Be sure that you have used your university email address in the WebAssign system.
  4. If you do NOT have a registration code, then email your professor with the following information
     - Name
     - NetID (university email address)

- The second online HW is due Monday at 9 am. You are allowed five submissions for problems 1-5 and only ONE submission for problems 6-9.
- Material in the worksheets is related to the previous day's lecture. You should review the lecture notes before coming to section, and you may find it useful to refer to your lecture notes during the section.