Math 221: Calculus 1
Lecture EL1: Tuesdays and Thursdays in 314 Altgeld Hall
Instructor: Dr. Ruth Davidson redavid2@illinois.edu
Office Hours: 4:05-5:05 pm Tuesdays and Thursdays and by appointment.
Course Homepage: http://www.math.uiuc.edu/~redavid2/Math221/221Main.html


Homework: Webassign, see https://www.webassign.net/uic/login.html. Don't use any other link to first access your Webassign! Be sure to use the above link to access Webassign and use the access code you purchase for this section, EL1, so that you are added to this course! You will be automatically added to this course upon your first visit provided you are enrolled in this class and have purchased the required access code. It may take 24-48 hours from the time that you register for the course to be listed on WebAssign.

I have been told that you have two weeks from the start of the course to enter an access code (there is a two-week trial period). So you can do HW 1 even if you do not yet have an access code. Your first priority in this class is to sort out your Webassign situation and contact me immediately if you have trouble. Make sure your Webassign shows you are in Section EL1.

After you are properly enrolled, Webassign Student Support is a very useful tool for solving issues with Webassign quickly (often much more quickly than by contacting me or a TA). We'll still try to help, but for best results about technical glitches and browser issues and so on, go first to https://webassign.com/support/student-support/

Each Webassign assignment has its own due date. It is your responsibility to keep on top of this through the Webassign page. I have posted some due dates (usually Tuesdays and Fridays) on the course schedule, but this is subject to change.

Important note about the textbook and Webassign:
Go to https://go.illinois.edu/CalculusBookInfo to get an understanding of the purchasing options for Webassign and the textbook. The use of Webassign for the homework in this class is non-negotiable, and the first assignment is due Friday, 8/28, so your priority for Week 1 should be to make sure you've made your purchasing option decision and then make sure your access to Webassign for this class is working.

There are many factors that may come into play with your choice of purchasing options, such as if you prefer electronic or paper textbooks-note we'll have copies of the text on reserve in the library. Your first priority for Week 1 (aside from making sure you're in the correct course, see the next section) should be getting registered for Webassign and making sure your access code works, so you can do the homework assignment due on 8/28.
Please make sure all optional emails and handles for your Webassign profiles use your Illinois netID. In a course of this size, it is absolutely essential to follow this rule for organizational reasons.

Course Placement: Make sure you have satisfied the placement requirements for this course before 8/28. In particular, make sure you have taken the ALEKS exam, explained here:

http://www.math.illinois.edu/ALEKS/

by 8/28, or you will be automatically removed from the course. I have no control over this and cannot make exceptions.

Math 221 is designed for students who already know some material from Calculus I, but who are not ready to start Calculus II. There are two lectures plus two discussion sections per week. Math 220 covers the same material with more precalculus; the pace is three lectures and two discussion sections per week. Math 220 is intended for students with little or no previous calculus. Aside from the ALEKS exam issue, if you have other concerns of any kind regarding your placement please consult http://www.math.illinois.edu/UndergraduateProgram/freshmen-AP-proficiency.html and contact advising@math.uiuc.edu.

Discussion Sections: Discussion Sections meet Wednesdays and Fridays and are led by graduate students in the Math Department. The discussion sessions will consist of working on worksheets in small, randomly assigned groups of 3-4 people. All students must turn in a completed worksheet for each discussion section, but only one worksheet will be graded. On Fridays, there will be a short quiz at the end of the discussion section. The lowest four worksheet grades will be dropped for each student. Quizzes and worksheets from the previous weeks will be returned the following Wednesday. There will likely be less work in your discussions the Fridays before midterms, to allow for extra review. Your TAs will grade all quizzes and worksheets.

The TA will assist you with the worksheets. However, it is not the job of your TA to "hold your hand". You should first attempt the questions with your group-mates, using course materials if necessary, i.e. worksheets are “open book.” Also, do not ask your TA if your answer is correct. They have been instructed not to answer this.

You must attend the Discussion Section you are enrolled in. Our course has the following discussion sections; make sure you know which one you are enrolled in.

MATH 221 EDC -WF 12:00-12:50 243 ALTGELD; Instructor: Tokcan, Neriman tokcan2@illinois.edu

MATH 221 EDB -WF 11:00-11:50 443 ALTGELD; Instructor: Tokcan, Neriman tokcan2@illinois.edu

MATH 221 ED1 -WF 9:00-10:50 173 ALTGELD; Instructor: Rasekh, Nima rasekh2@illinois.edu

MATH 221 ED2 -WF 1:00-2:50 159 ALTGELD; Instructor: Yager, Derrek yager2@illinois.edu

MATH 221 EDE -WF 2:00-2:50 445 ALTGELD; Instructor: Negron Santiago, Tara negrons2@illinois.edu
MATH 221 EDF - WF 3:00-3:50 143 HENRY BLD; Instructor: Ellis, Matthew ellis23@illinois.edu

MATH 221 EDA -WF 9:00-9:50 140 HENRY BLD; Instructor: Ellis, Matthew ellis23@illinois.edu

MATH 221 EDD - WF 1:00-1:50 1 ILL HALL; Instructor: Negron Santiago, Tara negrons2@illinois.edu

**Midterms:** There will be three 50-minute midterm exams on Tuesday September 22, Tuesday October 27, and Thursday December 3, in our usual classroom. These dates will not change. Your TAs will help grade and proctor these exams. There will be ID checks with all midterms. Acceptable forms of ID include Illinois ID cards, U.S. driver licenses, and passports.

**Final:** The final exam will be held from 7:00-10:00 p.m. on Tuesday, December 15, in our usual classroom. There will be an ID check. It will be a comprehensive exam. Note that there will be no conflict exam or makeup exam except for extreme, well-documented conditions, or 3 regularly scheduled finals in a 24 hour period. See this article in the Student Code for more information: http://studentcode.illinois.edu/article3_part2_3-201.html

**Academic Integrity:** In the Department of Mathematics we take academic integrity very seriously. Your work must be your own, on Webassign homework, quizzes, midterms and exams. Please read all of http://studentcode.illinois.edu/ carefully. Violations of academic integrity include, but are not limited to, cheating, forgery, fabrication, or plagiarism, as outlined in Section 1-402 of the Student Code. A range of academic sanctions may be taken against a student who engages in academic dishonesty. Please see Sections 1-401 through 1-406 of the Student Code for additional information and procedures.

**Disability Accommodation:** I am pleased to offer reasonable accommodations for disabilities verified through DRES: http://www.disability.illinois.edu/

Please bring your letter from DRES within one week of the start of the semester or one week of when you add the course (whichever is later). Please note that you will only be able to take a DRES exam if you clear the exam date and time with me before you submit a request.

**Classroom Behavior:** No calculators or other electronic aids are permitted on quizzes and exams, so I strongly advise studying without such aids. The use of any portable electronic device (phones, e-readers, mp3 players, tablets, laptops) during class without explicit prior permission of the instructor is prohibited. Other behaviors (reading a newspaper, loud conversation etc.) that I deem potentially distracting to other students must be stopped in class. If necessary, I will ask you to leave.

**Absences:** For an absence to be excused, you need to have a good reason (significant illness, family emergency, religious holiday, e.g.) and you need to notify me in advance, preferably by email. We don't take attendance, so I raise this issue only because worksheets and quizzes cannot be made up, and we will only offer make-up exams in extreme, well-documented circumstances! Note that the lowest two quizzes and the lowest four worksheets will be dropped and will not count in your grade average.

**Grades:** Each midterm exam will count 15%, the final exam 30%, worksheets 10% (lowest four worksheets dropped), WebAssign homework 10%, quizzes 5% (lowest two quizzes dropped). Your overall percentage will be rounded to the nearest integer and converted to a letter grade using the scale
in the table below. You should not expect grades to be curved in this class. You can check your grade record at https://learn.illinois.edu/.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage Range</th>
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<tbody>
<tr>
<td>A+</td>
<td>97-100</td>
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<tr>
<td>A</td>
<td>93-96</td>
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<tr>
<td>A-</td>
<td>90-92</td>
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<tr>
<td>B+</td>
<td>87-89</td>
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<tr>
<td>B</td>
<td>83-86</td>
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<tr>
<td>B-</td>
<td>80-82</td>
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<tr>
<td>C+</td>
<td>77-79</td>
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<td>C</td>
<td>73-76</td>
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<tr>
<td>C-</td>
<td>70-72</td>
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<td>D+</td>
<td>67-69</td>
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<td>D-</td>
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**Grading Corrections on Exams, Worksheets, and Quizzes:** If you think there may be a grading error on one of your exams, discuss it first with your TA. An example of a grading issue that should be resolved at this level is an arithmetic error in totaling your score. If that doesn't settle the matter, then explain the situation for each problem that you feel was not graded appropriately in writing separately (not email), attach it to your paper, and give the summary of grading issues to me in class or in my office hours in 165 Altgeld Hall. The deadline for all such requests is one week after the exam, worksheet or quiz has been returned. Note: this means one week after your TA returned the paper, regardless of whether or not you were in class to receive it on that day!

**Solutions to Exams, Quizzes, and Worksheets:** I will post answers to Quizzes and Worksheets only, and full solutions to Midterm Exams, on the main course website.

**Email Policy:** There are four important rules that apply to my email policy. I welcome and appreciate student emails, and do not want to discourage you from contacting me. But there are four particular rules that I must call your attention to before our course begins.

1. I will respond to all emails by Monday morning or within 24 hours, whichever comes first. This means you should not expect a response to an email sent after 5 pm Friday before Monday morning but emails sent during the week will have a 24-hour turn around time. An important consequence of this rule is that, for example, an email sent 4 hours before an exam requesting a special appointment are unlikely to be answered in time to be of use to you.

2. Only send emails using your Illinois account. This means yourNetId@illinois.edu. If you do not, I will respond to the email asking you to re-send it from your Illinois account.

3. If your question can be answered by referring to the syllabus, I will reply to your email with the statement: “Please see the syllabus.”

4. I will not answer math-related questions over email, such as “Can you explain Problem 21.d in Section 2.1” or “why is the derivative of sin(2x) not equal to cos(2x)?” I will adhere to this even if you think you are asking a very simple question. If your question is “quick” simply approach me before or after class. If it is not quick, take advantage of my office, the tutoring center, or your TAs, who will set their own policies regarding communication outside of class. I am enthusiastic about making appointments with students if they cannot make my regular office hours. That said, if you make an appointment with me and then miss it without prior notification, you will need documentation equivalent to documentation necessary to schedule a make-up exam before I will agree to make an appointment with you again.
Update 9/11/15:  No messages sent to me via Webssasign or any other mechanism will be answered. You must email me at my Illinois address. Thanks for your understanding!

**TA Tutoring and Additional Help:** In addition to my office hours and appointments with me, we will be offering tutoring by the course TAs from Monday-Thursday 4-8 pm in Altgeld Hall Room 341 with overflow in Room 343. This began the second week of class. This room was closed Labor Day, and will be closed Thanksgiving Week.

You may also hire a personal tutor from the list of tutors that advertise at http://www.math.illinois.edu/UndergraduateProgram/tutoring.html

These tutors are mostly graduate students in the Department of Mathematics, but this is a service arranged between individuals and not supervised by the Department.

**General Advice and Student Expectations:** Take advantage of the course schedule posted on the main course website. Check the website regularly for Announcements. If you miss class, you must get a copy of the lecture notes from a classmate. I will not share my lecture notes with you. Due to the pace of this class, you will find you are held accountable for material in the textbook not mentioned in Discussion or Lecture. Reading the relevant sections of the book in advance of the class in which they will be covered is also sure-fire strategy for getting the most out of lectures. So, use the class schedule available on the main course page to keep up with the textbook sections we cover.

Due dates for assignments are visible in Webassign, and it is your responsibility to check the due dates and make sure you understand them. The course schedule has reminders as well, but Webassign is the final authority and it is your job to monitor those due dates. Do the homework. Attend class regularly!

You're paying a lot of tuition to be here, and we (the TAs and I) are deeply invested in your success. The key to Calculus is practice, and I believe everyone can learn calculus. Students that do not do the homework do poorly in this course. *If you are having any kind of trouble in the class, take advantage of the free tutoring service we have arranged and my office hours! We are here to help, and we love talking about Calculus.*

**Quiz 0 on this syllabus:** Quiz 0 will be a take-home quiz, open book, about the content of this syllabus. It is due by 4 pm Friday 8/28 (There will not be a quiz in your Discussions Week 1). It is an excellent insurance policy on your quiz grade average, and a sign of how seriously I take this document as a contract between you, the student, and I, your instructor. Quiz 0 is available on the main course webpage for you to print and fill out.

The url for Quiz 0 (Clearly visible from the main course page) is http://www.math.uic.edu/~redavid2/Math221/Quiz0.pdf

You may turn it in earlier either during my office hours or at any time during the week to my mailbox in the Mathematics Mailroom, which is located in 250 Altgeld Hall. One of the questions on Quiz 0 is the location of my office: 165 Altgeld Hall. You can clearly read the location, but Altgeld Hall is a bit strange. If you are new to UIUC, I advise you to find my office during this first week so that you can find it quickly when you need to make my office hours, during which I’ll be too busy helping students to notice you sent
me an email saying you couldn’t find my office. A helpful fact is that my office is located at the bottom of the small staircase to the right of the post office window on the ground floor.