

M125 (Calculus I) Fall, 2000

Syllabus

INSTRUCTOR: Dr. Hundley

OFFICE: Olin 234

OFFICE HOURS: 11AM Mondays, 10-11AM Tues-Friday

Feel free to schedule an alternative time to meet if you can't make these hours. Otherwise, if my door is open, feel free to come in. You can also email me anytime.

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1. **COURSE INFO:** This is Math 125, Section C, Calculus I. We meet on Mondays, Tuesdays, and Thursdays from 9-9:50AM in Olin 343.
2. **Text:** Calculus, Early Transcendentals (4th Edition) By James Stewart.
3. **Technology:** No technology will be required for the course. Calculators may be used, except perhaps on an exam- This will be announced in class. The only exception to this is that calculators that can perform symbolic algebra (TI-89, TI-92 or equivalent) will not be allowed on exams. The reason is that part of this course will be on being able to make straightforward algebraic computations.

4. Grading Criteria.

- (a) **HOMEWORK:** Homework will be due each Tuesday, covering the previous week's work. This will leave Monday to answer any last minutes questions you have from the previous week. You may ask questions about the homework on any day *except the day that it is due*. I will not be grading all of the homework problems, but will choose several at random from the assigned list.

Solutions to your homework should include a statement of the problem. All statements you make should be in complete sentences. Where appropriate, you should end the problem with a statement of the solution.

Homework is graded on a 4-point scale: 4.0=A, 3.0=B, 2.0=C, 1.0=D, 0=F, and is done on each section (for a total of 19 scores). Your two lowest homework scores will be dropped. The homework will account for 20% of your total grade.

- (b) **EXAMS:** We will have three exams and a final exam. The exam dates will be: **Thursday, September 21, Thursday, October 19, and Thursday, November 16**. These dates will not change, so make your plans appropriately (especially for Thanksgiving Break). The final will be administered at the regularly published time, and, as usual, will be comprehensive. The exams will account for 70% of the overall grade; Each exam will account for 16% of the overall grade, and the final will be worth 22% overall. If you score well on the Final, your lowest exam grade will be replaced by the average of that grade with the Final.
- (c) **QUIZZES:** At the beginning of each session, we will have a short (1-5 minute) quiz over the previous day's material. The quiz will be worth one point, with no partial credit. Be sure to be on time every day! These quizzes cannot be made up. I will drop the three lowest scores, and will normally scale the overall scores so that the median score is 85%. Quizzes will total 10% of your overall grade.

GRADING: Grading is done on a standard scale:

90-100%=A, 80-89%=B, 70-79%=C, 60-69%=D, 59 and below=F

I will use the plus/minus grading only sparingly in those borderline cases.

5. **Collaboration:** You are encouraged to discuss homework assignments with other students and you should form study groups. However, you need to be sure that you understand the homework problems, as they will be the basis for the quizzes and exams.

6. **Workload:** As a general rule of thumb (especially if this is your first Calculus course), you should expect to spend at least two hours outside of class studying for every hour in class. This is especially true between our Thursday meeting and our Monday meeting!
7. **Assistance:** I encourage you to come see me. If you can't make it during office hours, either email me if you have short questions, or let me know when you would like to meet. For Calculus, there are also student tutors available during the evening. Hours will be posted at a later time.
8. **Health problems.** If you're having to miss class due to health problems, you need to get in touch with me as soon as possible, either by phone or email. If you are ill on the day of an exam, we can work out other arrangements for you **only** if you receive verification from a health professional (i.e., go to the clinic and get checked out). You can then have the Dean of Student's office send a message to that effect to me- I don't need to know any details, just that you have gone through the procedures. This includes mental health problems, as well as chronic conditions.
9. **Learning Disabilities.** If you have a learning disability, we can make the proper arrangements for you. All arrangements need to go through the office of Academic Resources (Clare Carson, Mem 205) *prior* to taking an exam. (This also applies generally: If you're having academic difficulties, see the people at Academic Resources!)
10. **Academic Honesty.** Academic standards will be *strictly* adhered to as outlined in your student handbook. This means that cheating will not be tolerated. Looking at another student's exam or quiz (whether or not you mean to copy answers) while taking it will be considered cheating. Students caught cheating will fail the exam or quiz, and the incident will be referred to the Dean of Students, as outlined in your student handbook.
11. **A last word.** Calculus is arguably among the greatest scientific achievements of all time. It represents a substantial shift in the way we think about things from the way we treat objects in algebra and trigonometry. The fundamental idea is the concept of a *limit*, and in doing so we consider things like "infinity". While algebra is basically a set of rules that we apply to expressions and equations, in Calculus we will consider the asymptotic behavior of expressions and functions. Thus, the study of Calculus is the first step in understanding modern mathematics, and is therefore the first step in understanding modern science and technology. Work hard, and have fun!