MATH 1501G1/G2/G3
FALL 2006
COURSE POLICIES AND EXPECTATIONS

1. Course and Teaching Assistant Information

Course	MATH 1501G1/G2/G3: Calculus I (4.00 Credit Hours)
CRN	1501G1: 81205, 1501G2: 81206, and 1501G3: 81207
Prerequisites	D or higher in MATH 1113 or SAT Math score of at least 550
Lecture	Mitchel T. Keller (`keller@math.gatech.edu`)
Time/Location	MWF 1305–1355 in Boggs B6
Office Hours	MWF 0930–1030 (tentative) and by appointment
Office	Skiles 138A (404.894.6365 or 404.894.1943)
Website	`http://www.math.gatech.edu/~keller/classes/071/math1501G/`
Recitation TA	
Time	TR 1305–1355
Location	Skiles 249 (G1), Skiles 153 (G2), and Skiles 270 (G3)
Office Hours	in
Required Text	Salas, Hille, and Etgen, *Calculus: One and Several Variables*, Ninth Edition, 2003. Wiley. ISBN: 0-471-38375-9
Optional Text	Adams, Thompson, and Hass, *How to Ace Calculus: The Streetwise Guide*, 1998, W.H. Freeman, ISBN: 0-7167-3160-6

You are welcome to drop by my office any time to see if I am available to answer your questions. I do suggest you check my online schedule or call my office to ensure that I'm there first. Office hours are *your time*, however, so I strongly encourage you to make use of them.

2. Grading

Your grade in this course will be based on three categories of work: quizzes, tests, and the final exam. These categories and their approximate weighting are described below.

(1) Quizzes will be given in recitation on a roughly weekly basis. They will (generally) not be announced in advance, but will not be given during dead week or weeks in which we have tests. Your lowest quiz grade will be dropped in computing your quiz average, which will be 10 percent of your final grade.
(2) Tests will be given in recitation on the following dates: 14 September 2006, 12 October 2006, 9 November 2006, and 30 November 2006. These test tates are firmly set. The course schedule gives an estimate of the material each test will cover, but that is subject to change as the term progresses. Each test will count 15 percent of your final grade, making your tests worth 60 percent of your grade.
(3) The final exam will be held (tentatively) on Thursday, 14 December 2006, from 1450 to 1740 in Boggs B6. It will be comprehensive and will count for 30 percent of your final grade.

All exercises on the quizzes and exams will be graded based on the following holistic five-point scale:

5 Excellent work; no errors (∼A+)
4 Good work with minor errors (∼A)
3 Good work with more serious errors (∼B)
2 Work reflects large gaps in understanding (∼C)
1 Incomplete work with large gaps (∼D)
0 No work, or unrelated work, or illegible

Note that grades of 0 and 1 are considered unacceptable.

Your score on a multi-problem quiz, test, or exam will be the average of the scores on the individual problems, and should be interpreted according to the above scale. Your final grade in the course will be

determined using the weighting described above based on this five-point scale. Do not interpret these scores as percentages! For example, if we have a test with five problems on it, and you receive scores of 2, 3, 5, 4, and 3, your average score on the test is 3.4, which is a B based on our scale, rather than being a 68%.

Reiterating, grades in this course will be determined using the following components, weighted roughly as indicated below:

Quizzes	10%
Test I (14 Sept 06)	15%
Test II (12 Oct 06)	15%
Test III (9 Nov 06)	15%
Test IV (30 Nov 06)	15%
Final Exam (14 Dec 06)	30%

Final grades in this course, however, will be determined by the judgment of the instructor. In particular, **you must pass the final exam in order to pass the class.**

Make-up quizzes and tests. Make-up quizzes will **NOT** be given except as required by Institute policy in the case of absences due to participation in approved Institute activities. Documentation of the approved absence from the Office of the Registrar will be required prior to administering a make-up quiz. Make-up tests are strongly discouraged. Any student with a valid reason for missing a test **must obtain permission from me, not a teaching assistant, well in advance of the test date**. Please let me know of any conflicts **immediately**. Please note that our final exam is on Thursday of finals week. No student will be allowed to take the final exam outside the scheduled time except as established by Georgia Tech policy on conflicting exams. I encourage you to look over your final exam schedule now and ask me if you have any questions about conflicts.

Progress report grades. Each semester, students in 1000- and 2000-level courses receive progress report grades prior to drop day. This semester, these progress report grades are due on 29 September 2006. At that point in the term, you will receive a grade of S or U. A grade of S indicates that you are making satisfactory progress, and that if you continue on the same path you are likely to earn a grade of C or higher. A grade of U indicates unsatisfactory progress in the course at that time (equivalent to a D or F). Be aware that these grades will be based on a small amount of information (roughly five quizzes and one exam). I encourage you to consult with me and your TA often during the semester to remain informed on your progress.

3. Homework

Homework will be assigned for each section of the text we cover and posted on the course web page. While it will not be collected for grading, it is *essential* that you work problems in order to learn the material in this course. Mathematics is not a spectator sport! I encourage you to work as many problems as possible, whether they be additional textbook problems, problems from from other instructor's old tests, or other review problems that might be provided. If you have trouble with the homework problems, ask about them in recitation (that's what it's there for!) or come see me or a teaching assistant during office hours. The only way to learn mathematics is by getting your hands dirty, and you will only accomplish that in this course by solving homework problems.

4. Policies

(1) Timeliness is expected. Class starts at 1305 and ends at 1355. Late arrivals and early departures are disruptive to the class and are to be avoided except in emergency situations. If you must depart class early, please find a seat near the door in order to minimize disruptions.
(2) Students are encouraged to sit near the front of the lecture hall in order to best see, hear, and *participate* in class. Plus, students who sit in the front row tend to have higher final grades in college courses.
(3) Audible noises from cellular telephones and pagers will not be tolerated. This includes the noise made by some models when set to vibrate. Please turn your phone/pager off or set it on silent before class begins.
(4) For all problems submitted for grading (quizzes, tests, exams, etc.), your final solution should be clearly marked, preferably by circling it or putting a box around it. You should show all your work,

not just to receive partial credit in cases where your answer is not correct but also to support your answer and receive full credit when correct. **Correct answers that are not fully supported by work will generally not receive full credit.**

(5) You are free to use any calculator or computer algebra system (*Mathematica*, MATLAB, *Maple*, etc.) on homework. Unless specified otherwise *in writing*, you may not use a calculator, computer, cellular telephone, personal digital assistant, or any other electronic or manual calculating device during a test, exam, or quiz.

(6) If you have questions about the grading of an exam, you must return it directly to **me** within **one week** of the date the exam was handed back. Please attach a separate piece of paper indicating the problem(s) you want regraded and the reasons you feel a regrade is appropriate. **Do not write anything on the test itself.** We reserve the right to retain photocopies of any and all exams prior to returning them to prevent regrade abuse.

(7) You should retain all graded materials returned to you until after final grades have been posted. You will need these documents to support any claim that your grade was inaccurately computed.

(8) You are encouraged to form study groups to work problems and enhance your understanding of the material. For exams and quizzes, unless otherwise specified *in writing*, you are to work completely alone without the aid of texts or notes.

5. Academic Integrity

As I hope you are aware by now, Georgia Tech takes academic integrity very seriously. I ask that you review the Honor Code at `http://www.honor.gatech.edu/`. For this course, I encourage you to make use of any old exams, quizzes, and homework from previous incarnations of this course. The more problems you work, the more successful you will be in this course. Be aware that the exams you will see in this course will not be identical to exams given by other instructors in previous semesters. However, the old tests on the School of Mathematics website should serve as a good example of the type of questions you might expect on the tests. I'll be sure to clearly communicate the list of topics that will be covered on teach test as it approaches.

Cheating on exams and quizzes via any means is unethical and unacceptable. Unless specified *in writing*, you are to work completely alone without the aid of notes or texts on exams and quizzes.

Behavior contrary to the above expectations will not be tolerated and will be handled via the appropriate channels. If you have questions regarding academic integrity policies in this course, talk to me or your TA. If you have other general academic integrity questions, you should consult with a member of the Honor Advisory Council, either during drop-in office hours (posted online at the address above) or by making an appointment through the Council's chair via email at `honor@gatech.edu`. Note that I am a member of the Council and hold weekly office hours as part of my HAC responsibilities. If you would feel more comfortable speaking with another Honor Advisor, you can determine which office hour is mine by consulting my online schedule.

At all times, in all things you do in this course, please keep the Georgia Tech Honor Challenge in mind:

I commit to uphold the ideals of honor and integrity by refusing to betray the trust bestowed upon me as a member of the Georgia Tech community.

6. Special needs

Any students with disabilities who need special accommodations in this course are invited to share their concerns or requests with the instructor as soon as possible. Students with disabilities are also referred to the ADAPTS office in the Office of the Dean of Students, located in Suite 210 of the Smithgall Student Services Building ("Flag Building").