SYLLABUS Accelerated Calculus for Engineers 1270 Fall 2009

Instructor: Darci Taylor
Course Website: http://www.math.utah.edu∼darci/math1270.html
Class hours: Mon, Tues, Wed, Fri 8:35-9:25am
Location: ST 208
Office: LCB 326
Office hours: To be determined, and announced the first week of class.
Email: darci@math.utah.edu

Eligibility: An AP Calculus score of 4 or 5, or equivalent. It is YOUR responsibility to check and prove eligibility. If you have any questions in regards to your placement, see me the first week.

Required Text: *Calculus* by Gilbert Strang. The course will follow this book closely and homework problems will be drawn from it. A free online version of the book can be found at *http://ocw.mit.edu/ans7870/resources/Strang/strangtext.htm*.

Course Description: Math 1270 and 1280 together are equivalent to the three semester sequence Math 1210, Math 1220, and Math 2210. This sequence is intended for engineering majors. The first semester we would like to cover the following: a review of introductory calculus, applications of differential and integral calculus, introduction to differential equations, conic sections and polar coordinates, numerical approximation, sequences and series, and power series. Basically, our goal for fall semester will be to cover the first ten chapters of the text, which is a lot of material, so be prepared!

Calculators: Students are encouraged to have and use graphing calculators in class and on homework.. however, I want to see that you have learned the material on your tests. Therefore, during your tests, you may only use simple functions such as +, /, etc. so have a simple calculator handy (no graphing, no integrating, etc). I will be checking this very closely during the exams and am not tolerant of cheating.

Expectations:
* Please be courteous of your fellow classmates. **I request that you refrain from eating during class**, as this can serve as a distraction to those around you. Also, please **turn cell phones** *off* **during class**. I understand this is an early class, and people will be tempted to bring breakfast, but please note that food will not be allowed in class, so eat before or after the lecture.
* Please be kind to the graders (and yourself) by turning in legible homework, and box your answers. If your homework/tests are *not* legible, they will *not* be marked correct.

* Be proactive about your education. After all, you (or someone else) is paying a lot of money for you to be here. So, if you don't understand a concept, don't be afraid to ask questions either in class, in office hours, by email, or at the tutoring lab.

Homework: Homework will be assigned at the beginning of each week, and must be turned in by **Friday** at the **beginning of class**. I will absolutely, under no circumstance, accept late work.

Grading: There will be four 1 hour-long "Tuizes" and one 1-hour long final exam. The grade breakdown will be:
Homework: 25%
Tuiz 1 (Wednesday, September 2nd): 6%,
Tuiz 2 (Friday, October 9th): 23%,
Tuiz 3 (Wednesday, November 18th): 23%,
Tuiz 4 (Wednesday, December 16th): 13%,
Final (Wednesday, December 16th): 10%

	89 - 87 B+	79 - 77 C+	69 - 67 D+	
100 - 94 A	86 - 84 B	76 - 74 C	66 - 64 D	59 - 0 E
93 - 90 A-	83 - 80 B-	73 - 70 C-	63 - 60 D-	

Tutoring: The Rushing Math Center offers free drop-in tutoring, a computer lab, and study areas for undergraduates. The Rushing Student Center is adjacent to the LCB and JWB (bottom floor between the two buildings). The hours for the Fall semester are: 8am - 8pm Monday through Thursday and 8am - 6pm on Friday.

Academic Honesty: Cheating will not be tolerated. No cell phones, pagers, etc. will be allowed during exams. In addition, incidents of plagiarism of any type or referring to any unauthorized material during examinations will be rigorously pursued by this instructor. This includes copying the solutions manual for your homework. Your work needs to be your own. Any hint of copying will result in a score of 0.

American Disabilities Act: Students with disabilities needing academic accommodations should: 1) register with and provide documentation to the Student Disability Resource Center (SDRC); 2) bring a letter to the instructor from SDRC indicating you need academic accommodations. This should be done within the first week of class.