MATH 0220 • Analytic Geometry and Calculus I
Fall 2010 • University of Pittsburgh
Lecture: Public Health Building A115, 6:00-7:15pm Tu/Th

Instructor: Dr. Zachary Kilpatrick
Email: zpkilpat@pitt.edu
Office: Thackeray Hall 504
Office Hours: Tuesday and Thursday 5:00-6:00pm, or by appointment
Course Website: http://www.math.pitt.edu/~zpkilpat/teaching/math220.html

Textbook: Essential Calculus: Early Transcendentals by James Stewart 2007
ISBN: 978-0495014287

Course: This is the first of three calculus courses for science and engineering students. The goal is to teach you valuable tools of introductory calculus – such as limits, derivatives, optimization, and integration – while tethering the math to real-life examples. The course covers sections 1.1-6.2 of the text, and you are expected to read each section that we cover.

Exams: Two midterm exams are given, and a comprehensive final. The dates for the exams are Tuesday October 5th and Tuesday November 9th. No make-up exams are given, save for extraordinary circumstances. You must provide verifiable and convincing evidence of that which prevents you from attending. Also, advanced warning of such an absence should be given if possible.

Labs: Every Tuesday from 7:20-8:10pm, you will meet in the Calculus/Engineering Computer Lab in the Gardner Steel Conference Center (GSCC 126). You will work individually on computer generated problems in the LON-CAPA system (http://homework.math.pitt.edu). Your TA will be available to help if you get stuck, but your are expected to solve all problems yourself. You may work on your lab problems from any computer, but you should do the most of the work in your scheduled lab sessions. The best person to ask questions regarding your labs is your lab TA. Your lowest two lab grades will be dropped.

Math Assistance Center: The Math Assistance Center (MAC) provides a walk-in tutoring service; no appointments are scheduled or are needed. The math department maintains the MAC on the in Thackeray Hall room 321. For schedules of open hours and particular graduate TAs, see http://www.mathematics.pitt.edu/resources/mac-center.php.

Problem Sets: Problem sets will be assigned at the beginning of lecture and will be collected by the TAs the next week at the beginning of the lab on Tuesday. A few problems are assigned from each section. To sufficiently understand the material, it is recommended one should complete additional problems. You can confer with your fellow classmates, tutors in the MAC, your TA, or myself, but the written work you hand in should be your own. Your work should be presented as neatly as possible, all steps should be shown, and graphs should be clearly labeled. Absolutely no late homework will be accepted. Your lowest two grades on problem sets are dropped, but I recommend you do every assignment.
Recitation: Every Thursday from 7:20-8:10pm, you will meet in your particular classroom (this should be on your class schedule) for a recitation session. Your TA will go over problems related to material covered previously that week. This is an opportunity to ask questions regarding problem solving techniques in your current assignment.

Final Exam: The final exam is comprehensive. It will take place Thursday, December 16, 2010 from 6:00-7:50pm.

Grading: Your final grade is based on the following:
- 2 Midterm Exams: 50% total (25% each)
- Final Exam: 30%
- Homework: 10%
- Lab: 10%

Final Grade Policy: Your final grade should not exceed your final exam grade by more than one letter grade.

Academic Integrity: Cheating/plagiarism will not be tolerated. Students suspected of violating the University of Pittsburgh Policy on Academic Integrity will incur a minimum sanction of a score of zero for the assignment or exam in question. Additional sanctions may be imposed, depending on the severity of the infraction. More information is available at [http://www.as.pitt.edu/faculty/policy/integrity.html](http://www.as.pitt.edu/faculty/policy/integrity.html).

Disabilities: If you have a disability that requires special testing accommodations or other classroom modifications, you need to notify both the instructor and the Disability Resources and Services no later than the 2nd week of the term. You may be asked to provide documentation of your disability to determine the appropriateness of accommodations. To notify Disability Resources and Services, call 648-7890 (Voice or TTD) to schedule an appointment. The Office is located in 140 William Pitt Union.

Class Philosophy: In my experience, math is best learned through rigorous practice. If you have any trouble with any of the concepts or problems encountered in the course, do not hesitate to come talk to me, your TA, or the MAC. Since ideas will build on each other throughout the semester, it is best to seek help as soon as possible. I will do my best to help you learn and enjoy the material. The more effort you put into the class, the more you will learn, and the more you will enjoy it.