MTH 122: *Survey of Calculus and its applications II*

Credits: 4

Day, Time, Room:

- section H  M W F, 3:00 PM - 3:50 PM  107 TALBERT, North Campus
- section S  T R, 8:00 AM - 9:20 AM  4 KNOX, North Campus

Dates: 01/12/2009 - 04/27/2009

Instructor: Phu Vu

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Phone: 716 645 MATH ext 171
Email: phuvu <at> buffalo <dot> edu
Website: www.math.buffalo.edu/~phuvu

Office hours: Wednesdays, Fridays 1:00PM~2:00PM

Textbook: *Goldstein, Lay & Schneider, Calculus and its Application*, UB Custom Edition

Course Description: Continuation of MTH121 and/or MTH131. Maximization of functions of several variables using both calculus and elementary linear programming techniques. Elementary integration, simple differential equations, matrix algebra.

Course Website: www.math.buffalo.edu/~phuvu/mth122spring2009 You will find here links to course schedule, exam, lecture note, review, announcement and grade list.

Course Work: There will be 2 in-class exams, 1 take-home exam, NO finals. Roughly speaking, you have exam after every 1~2 chapters. There are 5 homework to reinforce you in understanding material. There are also bonus credits given in some of the exams. Besides, I will also give a lot of extra credits, up to 20 points, to those who participate in solving lecture problems on black-board.

Class policy: I prefer students being focus in class. Should you have any question, raise your hand. You may discuss with classmates, but only about lectures and only when allowed. Anyone making unwanted noise or bothering other students will be asked to get out of classroom and get penalty in course score.

Grading Policy:

- 3 tests: 40 x3
- 5 homework: 10 x5
- in-class bonus credit: maximum of 20.
- bonus problems (given in exam or lecture): 20
- quizzes in recitations: 10 x4

Total: 210 regular points and 40 extra points

Letter scores will be given as following:

- A: 170 or above
- A-: 160~169
- B+: 150~159
- B: 125~149
- B-: 115~124
- C+: 105~114
- C: 85~104
- C-: 75~84
- D: 60~74
- F: < 60

Cheating penalty: each time you are caught cheating, that exam score will be an immediate zero, and your total score will also be dropped 80 points (this means, if you cheat once, it will be tough to manage a C, twice or more means F).
The course is fun. Homework will be easy. Tests require good understanding. Study early, don’t wait till last minute before test time and you will be good.

Important notes:

- Last date to resign (‘R’ Grade) on Friday, March 27
- Course schedule: http://math.buffalo.edu/~phuvu/mth122spring2009/schedule.htm
- Lecture notes, review, test solution, grade update,.. are also posted in my website. Check it regularly.
- Students may find previous courses listed in my site as reference. However, this is for reference purpose only, the test problems will not likely be the same.
- I prefer students put their name on the back of test paper (of course in the front-upper-page too), so it would be easy to return graded test.
- More information/explanation will be given in the first day of class and during further lectures.