

## MATH 5C

Winter 2012, MWF 12:00-12:50, TD-W 1701

**Instructor: Prof. Rick Ye**

**Office:** SH 6509, Tel. 893-8034, email: yer@math.ucsb.edu

**Office Hours:** Friday 1:00-2:30

**Text:** *Vector Calculus* by Lovrić, prepared for Dept. Math. UCSB.

**Exams:** One midterm (date to be announced). The final is at 12:00-3:00, Tuesday, March 20.

**Discussion Sections:**

R 8:00-8:50 NH 1111 (TA: Kerr)

R 12:00- 12:50 HSSB 1232 (TA: Kennedy)

R 7:00- 7:50 NH 1109 (TA: Kennedy)

R 5:00-5:50 HSSB 1214 (TA: Kennedy)

R 6:00-6:50 HSSB 1227 (TA: Troesch)

R: 4:00-4:50 HSSB 1211 (TA: Kennedy)

**TA Office Hours:** to be announced by TA

**Math Lab:** M-F 12:00-5:00, South Hall 1607.

**Calculator and Notecard:** Two double sided notecards up to 5" by 7" are allowed on the exams. No calculator is allowed on the exams.

**Materials to be Covered:** (subject to change)

Section 7.4: Surface Integrals of Vector Fields

Chapter 8: Classical Integral Theorems of Vector Calculus

Chapter 10: Infinite Series

Chapter 11: Fourier Series, Integrals, and Transforms

Chapter 12: Partial Differential Equations

**Exams:** One midterm (date to be announced) and the final.

**Homework:** Webwork. Please check the webwork constantly for new homework. Your perm number is your ID and password. The webwork is at <http://webwork.math.ucsb.edu>

**Grading:** Midterm 20%, Final 65%, Homework 15%.