

## MATH 5C

Winter 2011, MWF 12:00-12:50, BUCHN 1940

**Instructor: Prof. Rick Ye**

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

**Office Hours:** MWF 1:00-1:50

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

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

**TA** Chapman and Flores

### Discussion Sections

R 8:00- 8:50 HSSB 1215

R 12:00-12:50 HSSB 1210

R 7:00- 7:50 HSSB 1227

R 5:00- 5:50 HSSB 1236

R 6:00- 6:50 HSSB 1233

R 4:00- 4:50 HSSB 1215

**Calculator and Notecard:** Allowed on exams. Notecards should be up to 5" by 7", double sided.

**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 30%, Final 60%, Homework 10%.