
Multivariable Calculus

Math 212 Fall 2005
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Fowler 307 MWF 9:30pm - 10:25am
<http://faculty.oxy.edu/ron/math/212/05/>

Week 8

Monday October 17 *Class 17:*

Gradient Fields and Vector Fields. We'll introduce the concept of vector fields through the examination of gradient fields.

Reading:

Williamson & Trotter, (Section 6.1)

Homework # 7:

Williamson & Trotter, page 257: 5, 6, 8, 9, 17, 20, 26, 27 page 261: 4, 8, **Extra Credit page 259: 38**

Wednesday October 19 *Class 18:*

The Chain Rule. How to compute derivatives of functions of multiple variables which also depend on multiple variables.

Reading:

Williamson & Trotter, (Section 6.2)

Homework #7:

Williamson & Trotter, page 269: 2, 3, 4, 5, 7, 11, 12, 13 **Extra Credit page 271: 26**

Quiz # 6

Friday October 21 : NO CLASS (Fall Break)