

## MATH 214 Advanced Calculus II

**Semester:** Spring 2007  
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**Exams & Grading:**

- **1<sup>st</sup> Midterm** (20%) March 10, 2007 Saturday
- **2<sup>nd</sup> Midterm** (20%) April 21, 2007 Saturday
- **Final Exam** (30%) *To be announced*
- **Homework** (20%) *By Assignment weekly*
- **Quiz** (10%) *Weekly*

**Course Schedule:** Tuesday 8:40–10:30 Room SAZ-19  
 Thursday 10:40–12:30 Room SAZ-02

**Office Hours:** Wednesday 13:40-15:30

**Textbook:** W.R. Wade, *An Introduction to Analysis*, 3<sup>rd</sup> Edition,  
 (Prentice-Hall, 2004)

### Attendance is Obligatory

	Week	Subject	MT
#1	Jan 29 – Feb 2	Analytic Functions 7.4	
#2	February 5–9	Euclidean Spaces 8.1–8.2	
#3	February 12–16	Topology on Euclidean Spaces 8.3–8.4	
#4	February 19–23	Limits in Euclidean Spaces 9.1–9.2	
#5	Feb 26– Mar 2	Continuous Functions 9.3–9.4	
#6	March 5–9	Differentiability in $\mathbb{R}^n$ 11.1–11.3	#1
#7	March 12–16	Differentiability Theorems 11.4–11.5	
# 8	March 19–23	Implicit and Inverse Functions 11.6	
#9	March 26–30	Integration on $\mathbb{R}^n$ 12.1–12.2	
#10	April 2–6	Integrals on $\mathbb{R}^n$ 12.3–12.4	
#11	April 9–13	Spring Break	
#12	April 16–20	Curves 13.1–13.2	#2
#13	April 23–27	Surfaces 13.3–13.4	
#14	Apr. 31 - May 4	Stokes's Type Theorems 13.5–13.6	
#15	May 7–11	Review	