

Fall 2011

## MATH 1553-1 HONORS: Analytic Geometry and Calculus II

**Time:** Monday to Thursday 12:40–1:30

**Room:** Lockett 240

### Prerequisite

Math 1050 or Math 1051

### Textbook

Jon Rogawski: Calculus, Early Transcendentals. W. H. Freeman and Co., 2008

### Coverage

- Chapter 7: Techniques of integration (7.1–7.7)
- Chapter 10: Infinite series (10.1–10.7)
- Chapter 11: Parametric equations, polar coordinates, and conic sections (11.1–11.5)
- Chapter 12: Vector geometry (12.1–12.7)
- Chapter 13: Calculus of vector-valued functions (13.1–13.6)
- Chapter 14: Differentiation in several variables (14.3)

### Grading

Homework	100 pts
Three 100-point exams	300 pts
Final exam	200 pts
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Total score	600 pts
Tentative scale	A 510–600
	B 450–509
	C 400–449
	D 350–399
	F below 350

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