

The Syllabus for Math 9C

Textbooks: David Guichard: Calculus, Late Transcendentals. This is a free electronic book, available at <http://mathdept.ucr.edu/pdf/Guichard-Complete.pdf>

Sequences and Series

- 13.1 Sequences
- 13.2 Series
- 13.3 The Integral Test
- 13.4 Alternating Series
- 13.5 Comparison Tests
- 13.6 Absolute Convergence
- 13.7 The Ratio and Root Tests
- 13.8 Power Series
- 13.9 Calculus with Power Series
- 13.10 Taylor Series
- 13.11 Taylor's Theorem
- 13.12 Additional Exercises

Polar Coordinates, Parametric Equations

- 12.1 Polar Coordinates
- 12.2 Slopes in Polar Coordinates
- 12.3 Areas in Polar Coordinates
- 12.4 Parametric Equations
- 12.5 Calculus with Parametric Equations