Physics 5714: Methods of theoretical physics

Fall 2014

Tentative Syllabus

Aug 25: intro & diagnostic test
Aug 27-Sept 5: vectors, div, grad, curl, integration, A&W 1.1-1.15
Sept 8-22: linear algebra, Hefferon excerpts
Sept 24: Test 1
(Oct 10: University holiday)
Oct 13-17: infinite series, A&W 5.1-5.7
Oct 20-31: complex variables, contour integration
Nov 3: Test 2
Nov 5-21: complex variables, contour integration, A&W 6.1-6.7
(Dec 24-28: Thanksgiving break)
Dec 1-10: complex variables, contour integration, A&W 7.1
Dec 12: Final exam

All dates are approximate; time spent on any topic will be adjusted to the backgrounds of the enrolled students.