Physics 5714: Methods of theoretical physics

Fall 2019

Tentative Syllabus

Aug 26: intro & diagnostic test
Aug 28-Sept 9: vectors, div, grad, curl, integration, A&W 1.1-1.15
Sept 11-25: linear algebra, Hefferon excerpts
Sept 30: Test 1
Oct 2-14: linear algebra, Hefferon excerpts, A&W 3.1-3.6
(Oct 4: University holiday)
Oct 16-21: infinite series, A&W 5.1-5.7
Oct 23-Nov 6: complex variables, contour integration
Nov 11: Test 2
(Nov 25-29: Thanksgiving break)
Dec 2-11: complex variables, contour integration, A&W 7.1
Dec 17: Final exam

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