Physics 5714: Methods of theoretical physics

Fall 2018

Tentative Syllabus

Aug 20: intro & diagnostic test
Aug 22-Sept 3: vectors, div, grad, curl, integration, A&W 1.1-1.15
Sept 5-19: linear algebra, Hefferon excerpts
Sept 24: Test 1
Oct 10-15: infinite series, A&W 5.1-5.7
Oct 17-31: complex variables, contour integration
(Oct 19: University holiday)
Nov 5: Test 2
Nov 7-14: complex variables, contour integration, A&W 6.1-6.7
(Nov 19-23: Thanksgiving break)
Nov 26-Dec 5: complex variables, contour integration, A&W 7.1
Dec 7: Final exam

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