

# 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 13-20:	complex variables, contour integration, A& W 6.1-6.7
(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.