

PHYSICS 5013
STUDENT QUESTIONNAIRE
FALL 2016

Name (optional): _____
 Degree program: _____
 Year in program: _____
 Previous graduate physics courses: _____
 Concurrent graduate physics courses: _____
 Previous advanced math courses: _____
 Concurrent math courses: _____

Please list on the following list of topics whether you have previously studied this subject. Also note any subject you would particularly like to see covered in this course.

TOPIC	PREVIOUSLY STUDIED	LIKE TO COVER IN THIS COURSE
Complex variables, including Cauchy's theorem and the calculus of residues	_____	_____
Analytic continuation	_____	_____
Conformal mappings	_____	_____
Asymptotic expansions	_____	_____
Vectors, tensors, general coordinate transformations	_____	_____
Linear operators, eigenvalues and eigenfunctions	_____	_____
Ordinary differential equations	_____	_____
Partial differential equations, separation of variables	_____	_____
Perturbation theory	_____	_____
Boundary value problems	_____	_____
Green's functions	_____	_____
Special functions, including Legendre and Bessel functions	_____	_____
Integral equations	_____	_____
Other topics (please list)	_____	_____