

MATHEMATICS 146B

ORDINARY AND PARTIAL DIFFERENTIAL EQUATIONS

TEXT: *Elementary Differential Equations and Boundary Value Problems, Seventh Edition*, by W.E. Boyce and R. C. DiPrima

This is the second quarter course in a three quarter sequence covering the theory of linear differential equations, orthogonal expansions, boundary value problems for ordinary and partial differential equations, separation of variables and transform methods.

TOPICS	SUGGESTED NO. OF 50 MIN. CLASSES
Systems of first order linear equations..... (§§ 7.1-7.9)	12
Numerical Methods..... (§§ 8.1-8.3)	3
Nonlinear differential equations and stability..... (§§ 9.1-9.8)	9