

385 Differential Equations

Syllabus

Text: Edwards, Penney: Differential Equations and Boundary Value Problems: Computing and Modelling, 3rd Edition, Prentice-Hall.

Chapter	Hours
Chapter 1: First-order Differential Equations Sections 1.1-1.6	6
Chapter 2: Mathematical Models and Numerical Methods Sections 2.1 and 2.3	2
Chapter 3: Linear Equations of Higher Order Sections 3.1-3.6 and 3.8	14
Chapter 9: Fourier Series Methods Sections 9.1-9.7	12
Chapter 10: Eigenvalues and Boundary Value Problems Sections 10.1-10.3.	5
Exams and Leeway:	4
Total Hours	43