

CS 323E Topics List

Week	Topic	Section
1	Number Representation	1.1
2	Number Representation	1.2 - 1.3
3	Taylor Series	1.4 - 1.5
4	Roots of Non-Linear Equations	2.1 - 2.3
5	Roots of Non-Linear Equations	2.4 - 2.5
6	Numerical Differentiation	3.1 - 3.2
7	Numerical Integration	3.3 - 3.5
8	Linear Algebra	4.1 - 4.3
9	Numerical Methods in Linear Algebra	4.4 - 4.7
10	Method of Least Squares	3.6, 4.6
11	Ordinary Differential Equations	5.1 - 5.3
12	Numerical Solution of ODEs	5.4 - 5.8
13	Partial Differential Equations	6.1 - 6.5
14	Numerical Solution to PDEs	6.6 - 6.8
15	Interpolation (Optional)	C.1