

Tentative Schedule for MTH 351
Fall 2019

	Monday	Tuesday	Wednesday	Thursday	Friday
Sep			25 Introduction	26	27 Taylor polynomials (1.1)
Sep/Oct	30 Error in Taylor polynomials (1.2)	1	2 Fixed-point, floating-point numbers (2.1)	3	4 HW 1 due Different types of error (2.2)
Oct	7 Propagation of error (2.3)	8	9 Bisection method--analysis (3.1)	10	11 HW 2 due Bisection method--examples (3.1)
Oct	14 Newton's method--analysis (3.2)	15	16 Newton's method--example (3.2)	17	18 HW 3 due Fixed-point method (3.4)
Oct	21 Some issues with rootfinding (3.5)	22	23 Polynomial interpolation (4.1)	24	25 HW 4 due Polynomial interpolation (4.2)
Oct/Nov	28 Polynomial interpolation (4.1)	29	30 Midterm review	31	1 Midterm (In class)
Nov	4 Spline interpolation (4.3)	5	6 Spline interpolation--example (4.3)	7	8 HW 5 due Least square data fitting (7.1)
Nov	11 No class (Veterans Day)	12	13 Numerical integration by left, right, midpoint Riemann sum	14	15 HW 6 due Trapezoid, Simpson sum (5.1)
Nov	18 Trapezoid, Simpson sum (5.2)	19	20 Gaussian numerical integration (5.3)	21	22 HW 7 due Gaussian numerical integration (5.3)
Nov	25 Numerical differentiation (5.4)	26	27 Euler's method in ODE (8.2)	28	29 No class (Thanksgiving)
Dec	2 HW 8 due Euler's method in ODE (8.2)	3	4 Backward Euler method (8.4.1)	5	6 (last day of class) Final exam review
Dec	9	10	11 Final exam 9:30 – 11:20 AM at StAg 210	12	13