

Tentative Schedule for MTH 306

Section 20 – CRN 31557

-----Winter 2019-----

	Monday	Tuesday	Wednesday	Thursday	Friday
Jan.	7 Introduction, the space R^n (Lesson 2)	8 Recitation	9 Linear maps	10	11 Matrix and algebra on matrices (Lesson 4.3, 4.6)
Jan.	14 Matrix representation of linear maps (Lesson 6.3, 6.4)	15 Recitation Quiz 1	16 System of linear equations (Lesson 3.4, 3.5)	17	18 System of linear equations (Lesson 3.4, 3.5)
Jan.	21 No class (Martin Luther King day)	22 Recitation Quiz 2	23 Inverse of a matrix (Lesson 4.5)	24	25 Linear (in)dependence of vectors (Lesson 5.2, 5.3)
Jan./Feb.	28 Linear (in)dependence of vectors (Lesson 5.2, 5.3)	29 Recitation Quiz 3	30 Special linear maps (Lesson 6.5)	31	1 Determinant of a matrix (Lesson 3.6)
Feb.	4 Eigenvalues and eigenvectors (Lesson 7.2, 7.3)	5 Recitation Quiz 4	6 Eigenvalues and eigenvectors (Lesson 7.2, 7.3)	7	8 Midterm review
Feb.	11 Nonlinear maps	12 Recitation Group Projects given Midterm Exam (7 – 8:20 PM, Wiegand Hall 115)	13 Taylor polynomials (Lesson 9.3)	14	15 Error estimates of Taylor approximation (Lesson 9.4)
Feb.	18 Series, convergence and divergence (Lesson 10.2 - 10.4)	19 Recitation Quiz 5	20 No class (Instructor out of town)	21	22 No class (Instructor out of town)
Feb./Mar.	25 Algebraic properties of series	26 Recitation Quiz 6	27 Comparison test (Lesson 13) Integral test (Lesson 12.6)	28	1 Root test and Ratio test (Lesson 15)
Mar.	4 Power series (Lesson 16)	5 Recitation Group projects due	6 Taylor series of a function (Lesson 11)	7	8 Taylor series of a function (Lesson 11)
Mar.	11 Differentiation and Integration of power series (Lesson 17)	12 Recitation	13 Some applications of Taylor series	14	15 (last day of class) Review for Final exam
Mar.	18 Final exam 7:30-9:20 AM, Gilbert Hall, Room 224				