FALL 2020 — MAT 2250-03
Tentative Course Calendar

Monday	Wednesday	Friday	
17th NO CLASS	19th NO CLASS	21st **1** *1.1 System of Linear Equations*	**Aug**
24th **2** *1.2 Row Reduction and Echelon Form*	26th **3** *1.3 Vector Equation* *1.4 The Matrix Equation* $Ax = b$	28th **4** *1.5 Solution Sets* QUIZ 1	
31st **5** *1.7 Linear Independent*	2nd **6** *1.8 Linear Transformation* *1.9 Matrix of a Linear Transformation*	4th **7** *2.1Matrix Operations* QUIZ 2	**Sep**
7th NO CLASS	9th **8** *2.2 Inverses*	11th **9** *2.3 Characterization of Invertible Matrices* QUIZ 3	
14th **10** *3.1 Introduction to Determinants*	16th **11** *3.2 Properties of Determinants*	18th **12** *4.1 Vector Spaces and Subspaces*	
21st **13** **Review**	23rd **14** ***Midtrem #1***	25th **15** *4.2 Null Spaces, Column Spaces*	
28th **16** *4.3 Linear Independent Sets; Basis* QUIZ 4	30th **17** *4.4 Coordinate Systems*	2nd **18** *4.5 Dimension of a Vector space*	**Oct**
5th **19** *4.6 Rank* QUIZ 5	7th **20** *4.7 Change of Basis*	9th **21** *5.1 Eigenvectors and Eigenvalues* *5.2 The Characteristic Equation*	
12th **22** *5.3 Diagonalization* QUIZ 6	14th **23** *A1.1 Introduction to Differential Equations* *A1.2 Solutions and Initial Value Problems*	16th **24** *A2.1 Motion of a Falling Body* *A2.2 Separable Equations*	
19th **25** *A2.3 Linear Equations*	21st **26** *A3.2 Compartmental Analysis (mixing problems and population growth)*	23rd **27** *A3.2*	
26th **28** **Review**	28th **29** ***Midterm #2***	30th **30** *A4.1 The Mass-Spring Oscillator*	

Monday	Wednesday	Friday	
2nd **31** *A4.2 Homogeneous Linear Differential Equation* *A4.3 Auxiliary Equation with Complex Roots* QUIZ 7	4th **32** *A4.4 Methods of Undetermined Coefficients*	6th **33** *A4.5 The Superposition Principal and Undetermined Coefficients*	**Nov**
9th **34** *A4.9 A Closer Look at Free Mechanical Vibration* QUIZ 8	11th VETERANS DAY NO CLASS	13th **35** *A6.1 Basic Theory of Linear Differential Equations* *A6.2 Homogeneous Linear Equations*	
16th **36** *A9.1 Introduction to Systems of DE's* *A9.4 Linear Systems in Normal Form*	18th **37** *A9.5 Homogeneous Linear Systems with Constant Coefficients*	20th **38** *A9.5 Homogeneous Linear Systems with Constant Coefficients* QUIZ 9	
23rd **39** **Review**	25th **40** ***Midterm #3***	27th THANKSGIVING NO CLASS	
30th **41** *11.7 Non-Homogeneous Linear Systems*	2nd **42** *11.8 The Matrix Exponential Functions*	4th **43** **Review**	**Dec**

FINAL EXAM: WEDNESDAY, DEC 9^{TH} , 11:00AM–1250PM