Honors Linear Algebra Spring 2022 Schedule

◄ December

January 2022

February ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17 MLK Day	18	19 First Day of Class Intro and expectations Before class: make an intro slide	20	21 Section 1.1: Systems of Linear Equations	22
23 Homework 1.1 Due at 11:59 pm ET	24 Section 1.2: Row Reduction and Echelon Forms	25	26 Section 1.3: Vector Equations	27	28 Section 1.3: Vector Equations	29
30 Homeworks 1.2 and 1.3 Due at 11:59 pm ET	31 Class in person in MONT 112 Section 1.4: The Matrix Equation Ax = b Courses dropped after this date will have a "W"					

◄ January

February 2022

March ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2 Section 1.5: Solutions Sets of Linear Systems	3	4 Section 1.7: Linear Independence	5
6 Homeworks 1.4, 1.5 and 1.7 Due at 11:59 pm ET	7 Quiz 1 Section 1.8: Introduction to Linear Transformations	8	9 Section 1.8: Introduction to Linear Transformations	10	11 Section 1.9: The Matrix of a Linear Transformation	12
13	14 Section 1.8: Introduction to Linear Transformations Section 1.9: The Matrix of a Linear Transformation Quiz 1 corrections and reflection due	15 Dean's signature required to add courses	16 Section 1.9: The Matrix of a Linear Transformation Section 2.1: Matrix Operations	17	18 Section 1.9: The Matrix of a Linear Transformation Section 2.1: Matrix Operations Section 2.2: The Inverse of a Matrix	19
20 Homeworks 1.8, 1.9, and 2.1 Due at 11:59 pm ET	21 Quiz 2 Section 2.1: Matrix Operations Section 2.2: The Inverse of a Matrix	22	23 Section 2.2: The Inverse of a Matrix and Section 2.3: Characterizations of Invertible Matrices	24	25 Section 3.1: Introduction to Determinants and Material from Section 3.3	26
27 Homeworks 2.2 and 2.3 Due at 11:59 pm ET	28 Quiz 2 corrections and reflection due Section 3.1: Introduction to Determinants and Material from Section 3.3					

◄ February

March 2022

April ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2 Section 3.2: Properties of Determinants	3	4 No Class: Hanson is giving a talk at URI.	5
6 Homeworks 3.1 and 3.2 Due at 11:59 pm ET	7 Quiz 3 Section 4.1: Vector Spaces and Subspaces	8	9 Section 4.1: Vector Spaces and Subspaces Section 4.2: Null Spaces, Column Spaces, and Linear Transformations	10	11 Section 4.2: Null Spaces, Column Spaces, and Linear Transformations	12 Spring Break!
13 Spring Break!	14 Spring Break!	15 Spring Break!	16 Spring Break!	17 Spring Break!	18 Spring Break!	19 Spring Break!
20 Homeworks 4.1 and 4.2 Due at 11:59 pm ET	21 Quiz 3 corrections and reflection due Section 4.3: Linearly Independent Sets; Bases Class Cancelled	22	23 Primary Source Project: Wronskians and Linear Independence	24	25 Primary Source Project: Wronskians and Linear Independence	26
27 Last day to turn in extra credit.	28 Section 4.3: Linearly Independent Sets; Bases	29	30 Section 4.4: Coordinate Systems	31		

◄ March

April 2022

May ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 Section 4.5: The Dimension of a Vector Space	2
3 Homeworks 4.3, 4.4, and 4.5 Due at 11:59 pm ET	4 Cross Products and Determinants Project Primary Source Project due	5	6 Section 4.6: Change of Basis	7	8 Section 5.1: Eigenvectors and Eigenvalues (“Eigen” is German for “own” or “inherent”)	9
10 Homework 4.6 Due at 11:59 pm ET	11 Quiz 4 Section 5.1: Eigenvectors and Eigenvalues Last day to withdraw from a course	12	13 Section 5.2: The Characteristic Equation Section 5.3: Diagonalization	14	15 Section 5.3: Diagonalization Section 5.4: Eigenvectors and Linear Transformations	16
17 Homeworks 5.1, 5.2, and 5.3 Due at 11:59 pm ET	18 Quiz 3 corrections and reflection due Section 5.4: Eigenvectors and Linear Transformations Section 6.1: Inner Product, Length, and Orthogonality	19	20 Section 6.1: Inner Product, Length, and Orthogonality Section 6.2: Orthogonal Sets	21	22 Section 6.2: Orthogonal Sets Cross Products and Determinants Project due	23
24 Homeworks 5.4, 6.1, and 6.2 Due at 11:59 pm ET	25 Section 6.3: Orthogonal Projections	26	27 Section 6.3: Orthogonal Projections Section 6.4: The Projection Method	28	29 Last Day of Classes Section 6.4: The Projection Method Homeworks 6.3 and 6.4 Due at 11:59 pm ET	30

◄ April

May 2022

June ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 Last day to complete homeworks 6.3 and 6.4 for full credit.	2 Exam Week (Final Time and Place TBA)	3 Exam Week (Final Time and Place TBA)	4 Exam Week (Final Time and Place TBA)	5 Exam Week (Final Time and Place TBA)	6 Exam Week (Final Time and Place TBA)	7 Exam Week (Final Time and Place TBA)
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				