

AUGUST  
2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	First Day of Class 23 Vectors in Euclidean Space	24	The Norm and the 25 Dot Product Syllabus Quiz	26
27	Matrices and Their 28 Algebra Quiz: Vectors in Euclidean Space	Solving Systems of 29 Linear Equations Group Work: Basic Properties of Vectors & Matrices	Solving Systems of 30 Linear Equations	31		

# SEPTEMBER 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					Inverses of Square Matrices <i>Quiz: Matrices and Their Algebra</i>	
3	Labor Day 4	Homogeneous Systems, Subspaces, & Bases 5 <i>Group Work: Systems of Linear Equations</i>	Homogeneous Systems, Subspaces, & Bases 6 <i>Quiz: Systems of Linear Equations</i>	7	Independence and Dimension 8 <i>Quiz: Inverses of Square Matrices</i>	9
10	The Rank of a Matrix 11 <i>Quiz: Homogeneous Systems, Subspaces, &amp; Bases</i>	Areas, Volumes, and Cross Products 12 <i>Group Work: Subspaces, Bases, Independence, and Dimension</i>	Areas, Volumes, and Cross Products 13	14	The Determinant of a Square Matrix 15 <i>Quiz: Independence and Dimension</i>	16
17	Computations of Determinants and Cramer's Rule 18 <i>Quiz: Matrix Rank</i>	Computations of Determinants and Cramer's Rule 19	Exam I Review 20	21	Exam I Review 22 <i>Quiz: Areas, Volumes, and Cross Products</i>	23
24	Exam I Review 25	<b>Exam I</b> 26	Characteristic and Minimal Polynomials 27	28	Characteristic and Minimal Polynomials 29	30

# OCTOBER

## 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	Eigenvalues and Eigenvectors  Quiz: Characteristic and Minimal Polynomials	Eigenvalues and Eigenvectors  Group Work: Characteristic and Minimal Polynomials	Diagonalization		Diagonalization  Quiz: Eigenvalues and Eigenvectors	
8	The Cayley-Hamilton Theorem  Quiz: Diagonalization	Smith Normal Form  Group Work: Eigenvalues, Eigenvectors, and Diagonalization	Smith Normal Form	Fall Break	Fall Break	
15	The Rational Canonical Form  Quiz: Smith Normal Form	The Rational Canonical Form  Group Work: Canonical Forms	The Jordan Canonical Form		The Jordan Canonical Form  Quiz: Rational Canonical Form	
22	Review of Canonical Forms  Quiz: Jordan Canonical Form	Review of Canonical Forms	Exam II Review		Exam II Review  Quiz: Review of Canonical Forms	
29	Exam II Review	<b>Exam II</b>				

# NOVEMBER 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			Linear Transformations of Euclidean Spaces <sup>1</sup>	<sup>2</sup>	Linear Transformations of Euclidean Spaces <sup>3</sup>	<sup>4</sup>
<sup>5</sup>	Vector Spaces <sup>6</sup> Quiz: Linear Transformations of Euclidean Spaces	Vector Spaces <sup>7</sup> Group Work: Linear Transformations and Vector Spaces	Basic Concepts of Vector Spaces <sup>8</sup>	<sup>9</sup>	Coordinatization of Vector Spaces <sup>10</sup> Quiz: Vector Spaces	<sup>11</sup>
<sup>12</sup>	Matrix Representations and Similarity <sup>13</sup> Quiz: Coordinatization of Vector Spaces	Linear Transformations <sup>14</sup> Group Work: Coordinatization, Matrix Representations, and Inner Products	Inner Product Spaces <sup>15</sup>	<sup>16</sup>	Inner Product Spaces <sup>17</sup> Quiz: Matrix Representations and Similarity	<sup>18</sup>
<sup>19</sup>	Exam III Review <sup>20</sup> Quiz: Inner Product Spaces	Exam III Review <sup>21</sup>	Thanksgiving Break <sup>22</sup>	Thanksgiving Break <sup>23</sup>	Thanksgiving Break <sup>24</sup>	<sup>25</sup>
<sup>26</sup>	Exam III Review <sup>27</sup>	Exam III <sup>28</sup>	Final Exam Review <sup>29</sup>	<sup>30</sup>	Final Exam Review <sup>1</sup>	<sup>2</sup>

# DECEMBER

## 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
3	Final Exam Review 4	Final Exam Review 5	Final Exam Review 6	7	Final Exam Review 8	9
10	Final Exam Week 11	Final Exam Week 12	Final Exam Week 13	Final Exam Week 14	Final Exam Week 15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						