

# 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	23 <i>First Day of Class</i> Vectors in Euclidean Space	24	25 The Norm and the Dot Product <i>Syllabus Quiz</i>	26
27	28 Matrices and Their Algebra <i>Quiz: Vectors in Euclidean Space</i>	29 Solving Systems of Linear Equations <i>Group Work: Basic Properties of Vectors &amp; Matrices</i>	30 Solving Systems of Linear Equations	31		

# SEPTEMBER 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					Inverses of Square Matrices <i>1</i> Quiz: Matrices and Their Algebra	<i>2</i>
<i>3</i>	<i>Labor Day</i> <i>4</i>	Homogeneous Systems, Subspaces, & Bases <i>5</i> Group Work: Systems of Linear Equations	Homogeneous Systems, Subspaces, & Bases <i>6</i> Quiz: Systems of Linear Equations	<i>7</i>	Independence and Dimension <i>8</i> Group Work 1 Due Quiz: Inverses of Square Matrices	<i>9</i>
<i>10</i>	The Rank of a Matrix <i>11</i> Quiz: Homogeneous Systems, Subspaces, & Bases	Areas, Volumes, and Cross Products <i>12</i> Group Work: Subspaces, Bases, Independence, and Dimension	Areas, Volumes, and Cross Products <i>13</i>	<i>14</i>	The Determinant of a Square Matrix <i>15</i> Group Work 2 Due Quiz: Independence and Dimension	<i>16</i>
<i>17</i>	Computations of Determinants and Cramer's Rule <i>18</i> Quiz: Matrix Rank	Computations of Determinants and Cramer's Rule <i>19</i>	Exam I Review <i>20</i>	<i>21</i>	Exam I Review <i>22</i> Group Work 3 Due Quiz: Areas, Volumes, and Cross Products	<i>23</i>
<i>24</i>	Exam I Review <i>25</i>	<b>Exam I</b> <i>26</i>	Characteristic and Minimal Polynomials <i>27</i>	<i>28</i>	Characteristic and Minimal Polynomials <i>29</i>	<i>30</i>

# 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	5	Diagonalization Quiz: Eigenvalues and Eigenvectors	7
8	The Cayley-Hamilton Theorem Quiz: Diagonalization	Smith Normal Form Group Work: Eigenvalues, Eigenvectors, and Diagonalization	Smith Normal Form	<i>Fall Break</i>	<i>Fall Break</i>	14
15	The Rational Canonical Form Group Work 4 Due Quiz: Smith Normal Form	The Rational Canonical Form Group Work: Canonical Forms	The Jordan Canonical Form	19	The Jordan Canonical Form Group Work 5 Due Quiz: Rational Canonical Form	21
22	Review of Canonical Forms Quiz: Jordan Canonical Form	Review of Canonical Forms	Exam II Review	26	Exam II Review Group Work 6 Due Quiz: Review of Canonical Forms	28
29	Exam II Review	<b>Exam II</b>				

# NOVEMBER 2023

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

# 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	<i>Final Exam Week 11</i> <b>Final Exam</b> 3:00 to 6:00 PM Mulvane 409	<i>Final Exam Week 12</i>	<i>Final Exam Week 13</i>	<i>Final Exam Week 14</i>	<i>Final Exam Week 15</i>	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						