

## FALL 2019: MATH 18 TENTATIVE SCHEDULE

MONDAY	WEDNESDAY	FRIDAY
		<b>September 27</b> 1.1: Systems of linear equations
<b>September 30</b> 1.2: Row reduction	<b>October 2</b> 1.3, 1.4: Vector equations	<b>October 4</b> 1.4: Matrix equations
<b>October 7</b> 1.5, 1.6: Solution sets of linear systems, applications	<b>October 9</b> 1.7: Linear independence	<b>October 11</b> 1.8, 1.9: Linear transformations
<b>October 14</b> 2.1: Matrix operations	<b>October 16</b> Catch up, Review	<b>October 18</b> <b>Midterm 1</b>
<b>October 21</b> 2.2, 2.3: Matrix inverses	<b>October 23</b> 4.1: Vector spaces and subspaces	<b>October 25</b> 4.2: Null and column spaces
<b>October 28</b> 4.3, 4.5: Bases and dimension	<b>October 30</b> 4.6: Rank	<b>November 1</b> 4.4: Coordinate systems
<b>November 4</b> 3.1, 3.2: Determinants	<b>November 6</b> 3.3: Determinants and volumes	<b>November 8</b> 5.1: Eigenvectors and eigenvalues
<b>November 11</b> No class: Veterans Day	<b>November 13</b> Catch up, Review	<b>November 15</b> <b>Midterm 2</b>
<b>November 18</b> 5.2: The characteristic equation	<b>November 20</b> 5.3: Diagonalization	<b>November 22</b> 6.1, 6.7: Orthogonality
<b>November 25</b> 6.2, 6.3: Orthogonal sets and projections	<b>November 27</b> 6.4: Gram-Schmidt and QR factorization	<b>November 29</b> No class: Thanksgiving
<b>December 2</b> 6.5: Least-squares	<b>December 4</b> Applications	<b>December 6</b> Review
<b>December 9</b> <b>Final Exam: 8:00 - 11:00</b>		