

For each day, read the listed section before class and be prepared for a daily quiz and class discussion.

Online homework (if applicable) is due on the date listed.

Monday	Tuesday	Wednesday	Friday
<b>Jan 7</b> Logistics	<b>8</b> 1.1 Systems of Linear Equations	<b>9</b> 1.1 Systems of Linear Equations	<b>11</b> 1.2 Matrices and Matrix Operations
<b>14</b> 1.2 Matrix Operations	<b>15*</b> 1.3 Inverse of Matrices	<b>16</b> 1.3 Inverse of Matrices WeBWorK 1 due	<b>18</b> 1.4 Special Matrices and Other Properties
<b>21</b> ML King Day	<b>22</b> 1.5 Determinants	<b>23+</b> 1.5 Determinants	<b>25</b> 1.6 Further Properties of Determinants
<b>28</b> <i>Review</i>	<b>29</b> WeBWorK 2 due <b>CHAPTER 1 TEST</b>	<b>30</b> 2.1 Vector Spaces	<b>Feb 1</b> 2.1 Vector Spaces
<b>4</b> 2.2 Subspaces	<b>5</b> 2.2 Spanning Sets	<b>6</b> 2.3 Linear Independence and Bases WeBWorK 3	<b>8</b> 2.3 Linear Independence and Bases
<b>11</b> 2.4 Dimensions and Nullspaces	<b>12</b> Assessment Day	<b>13</b> 2.4 Row Spaces and Column Space	<b>15</b> 2.5 Wronskians
<b>18</b> <i>Review</i>	<b>19</b> <b>CHAPTER 2 TEST</b> WeBWorK 4 due	<b>20</b> 3.1 Intro to Differential Equations	<b>22</b> 3.2 Separable Differential Equations
<b>25</b> 3.3 Exact Differential Equations	<b>26</b> 3.4 Linear Differential Equations	<b>27</b> <i>Review</i>	<b>Mar 1</b> <b>CHAPTER 3 QUIZ</b> WeBWorK 5 due
<b>4</b> <i>Spring Break</i>	<b>5</b> <i>Spring Break</i>	<b>6</b> <i>Spring Break</i>	<b>8</b> <i>Spring Break</i>
<b>11</b> 4.1 Higher Order Linear Diff Eq	<b>12</b> 4.1 Higher Order Linear Diff Eq	<b>13</b> 4.2 Homog Constant Coef Lin Diff Eq WeBWorK 6	<b>15×</b> 4.2 Homog Constant Coef Lin Diff Eq
<b>18</b> 4.3 Undetermined Coefficients	<b>19</b> 4.3 Undetermined Coefficients	<b>20</b> 4.4 Variation of Parameters WeBWorK 7	<b>22</b> 4.5 Applications
<b>25</b> <i>Review</i>	<b>26</b> <b>CHAPTER 4 TEST</b>	<b>27</b> 5.1 Linear Transformations	<b>29</b> 5.1 Linear Transformations
<b>Apr 1</b> 5.2 Algebra of Lin Transf	<b>2</b> 5.2 Algebra of Lin Transf	<b>3</b> 5.3 Matrices for Lin Transf WeBWorK 8	<b>5</b> 5.3 Matrices for Lin Transf
<b>8</b> 5.4 Eigenvalues and Eigenvectors	<b>9</b> 5.4 Eigenvalues and Eigenvectors	<b>10</b> 5.5 Jordan Canonical Form	<b>12</b> <i>Review</i>
<b>15</b> WeBWorK 9 due <b>CHAPTER 5 TEST</b>	<b>16</b> 6.1 Systems of Lin Diff Eq	<b>17</b> 6.2 Diagonalizable Case	<b>19</b> 6.2 Diagonalizable Case
<b>22</b> 6.5 Converting Diff Eq to 1st Order Systems	<b>23</b> 6.6 Applications	<b>24</b> 6.6 Applications WeBWorK 11 due	<b>26</b> Course evaluations Final Exam Review
<b>29</b> <b>FINAL EXAM</b> Sect 3 10:30am-12:30pm	<b>30</b>	<b>1</b> <b>FINAL EXAM</b> Section 5 1:00-3:00 pm	<b>3</b>

\*January 15 drop deadline + January 24 late add deadline × March 15 course adjustment deadline