

<b>Jan 19</b> —	<b>Jan 21</b> §1.1-1.5 Numbers, coordinates, vectors, matrices	<b>Jan 23</b> [HW #1] §2.1 Real valued functions and graphs
<b>Jan 26</b> §2.2 Limits, continuity	<b>Jan 28</b> §2.3 Differentiation	<b>Jan 30</b> [HW #2] §2.4 Paths
<b>Feb 2</b> §2.5 The chain rule	<b>Feb 4</b> §2.6 Directional derivatives	<b>Feb 6</b> [HW #3] §3.1 Higher-order partial derivatives
<b>Feb 9</b> §3.2 Taylor's Theorem	<b>Feb 11</b> §3.3 Unconstrained optimization	<b>Feb 13</b> [HW #4] §3.4 Constrained optimization
<b>Feb 16</b> §3.5 Applications	<b>Feb 18</b> §4.1 Vector valued functions	<b>Feb 20</b> [HW #5] §4.2 Arc length
<b>Feb 23</b> §4.3 Vector fields	<b>Feb 25</b> Review for Test #1	<b>Feb 27</b> Test #1
<b>Mar 2</b> §4.4 Divergence and curl of a vector field	<b>Mar 4</b> §5.1,5.2 Double integral over a rectangle	<b>Mar 6</b> [HW #6] §5.3 Double integral over general regions
<b>Mar 9</b> <b>Holiday: Spring Break</b>	<b>Mar 11</b> <b>Holiday: Spring Break</b>	<b>Mar 13</b> <b>Holiday: Spring Break</b>
<b>Mar 16</b> §5.4 Changing the order of integration	<b>Mar 18</b> §5.5 Triple integrals	<b>Mar 20</b> [HW #7] §6.1,6.2 Change of variables in double integrals
<b>Mar 23</b> §6.3 Applications	<b>Mar 25</b> §7.1,7.2 Path integrals, line integrals	<b>Mar 27</b> [HW #8] §7.3 Parametric surfaces
<b>Mar 30</b> §7.4 Surface area	<b>Apr 1</b> Review for Test #2	<b>Apr 3</b> Test #2
<b>Apr 6</b> §7.5 Surface integrals: scalar functions	<b>Apr 8</b> §7.6 Surface integrals: vector functions	<b>Apr 10</b> [HW #9] §7.7 Applications
<b>Apr 13</b> §8.1 Green's Theorem	<b>Apr 15</b> §8.2 Stokes' Theorem	<b>Apr 17</b> [HW #10] §8.3 Conservative vector fields
<b>Apr 20</b> §8.4 Gauss's Theorem	<b>Apr 22</b> §8.5 Applications	<b>Apr 24</b> [HW #11] §8.6 Differential forms
<b>Apr 27</b> §8.6 Differential forms	<b>Apr 29</b> TBA	<b>Apr 30</b> [HW #12] Review for Final