

**Spring 2020 Schedule**  
**All readings are in ApexCalculus**

| <b>Monday</b><br>10:30 – 11:20 OldSC 1314  | <b>Tuesday</b><br>1:00 – 1:50 OldSC 1314                      | <b>Wednesday</b><br>10:30 – 11:20 OldSC 1314    | <b>Friday</b><br>10:30 – 11:20 OldSC 1314                          |
|--|---|---|--|
|  |   | 1/22<br><b>Welcome to Class!</b>                | 1/24<br>5.4<br>Review of trig and FTC<br><b>HW 1</b> is due by 3pm |
| 1/27<br>6.1<br>Integration by Substitution | 1/28<br>6.1<br>Integration by Parts                           | 1/29<br>6.2<br><b>HW2</b> —Integration by Parts | 1/31<br>6.5<br>Partial Fractions                                   |
| 2/3<br>Class notes<br>Application to ODEs  | 2/4<br>6.7<br>l'Hôpital's Rule/Limit Comp                     | 2/5<br>6.8<br><b>HW 3</b> —Improper Integrals   | 2/7<br>6.8<br>Improper Integrals                                   |
| 2/10<br>7.4<br>Arclength                   | 2/11<br>7.4/9.3<br>Arclength                                  | 2/12<br>9.3<br>Arclength                        | 2/14<br>a bit of 10.1, then 10.2<br><b>HW 4</b> — Vectors          |
| 2/17<br><b>Review</b>                      | 2/18<br><b>Exam I</b>   | 2/19<br>10.2 – 10.3<br>Vectors                  | 2/21<br>10.3<br>Vectors  |
| 2/24<br>10.5<br>Vectors: Lines             | 2/25<br>10.6<br>Vectors: Planes                               | 2/26<br>11.1 – 11.2<br><b>HW 5</b> —Functions   | 2/28<br>11.2, 11.4<br>Functions                                    |
| 3/2<br>12.1<br>Functions                   | 3/3<br>12.1 – 12.2<br>Functions                               | 3/4<br>12.3<br><b>HW 6</b> —Partial Derivatives | 3/6<br>12.3<br>Partial Derivatives                                 |
| 3/9<br><b>Spring Break!</b>                | 3/10<br><b>Spring Break!</b>                                  | 3/11<br><b>Spring Break!</b>                    | 3/13<br><b>Spring Break!</b>                                       |
| 3/16<br>12.6<br>Gradients                  | 3/17<br>12.6<br>Gradients                                     | 3/18<br>12.7<br>Gradients/Extreme Values        | 3/20<br>12.8<br>Extremer Values                                    |
| 3/23<br>13.1<br>Double Integrals           | 3/24<br>13.2<br><b>HW 7</b> —Double Integrals                 | 3/25<br><b>Review</b>                           | 3/27<br><b>Exam II</b>   |
| 3/30<br>8.1<br>Sequences                   | 3/31<br>8.1<br>Sequences                                      | 4/1<br>8.2<br>Series                            | 4/3<br>8.2<br>Series   |
| 4/6<br>8.3<br>Integral Test                | 4/7<br>8.3, 8.4<br>Integral, Ratio,<br>Limit Comparison Tests | 4/8<br>8.4<br>Ratio Test<br><b>HW 8</b>         | 4/10<br>8.5<br>Alternating Series                                  |
| 4/13<br>8.6<br>Power Series                | 4/14<br>8.7<br>Taylor Polynomials                             | 4/15<br>8.8<br><b>HW 9</b> —Taylor Series       | 4/17<br>8.8<br>Convergence   |
| 4/20<br>8.8<br>Convergence                 | 4/21<br>8.8<br>Differentiation/Integration                    | 4/22<br>Problems<br><b>HW 10</b>                | 4/24<br>Problems   |
| 4/27<br>Problems                           | 4/28<br>Problems<br><b>HW 11</b>                              | 4/29<br><b>Review</b>                           | 5/1<br><b>Exam III</b><br>Last Day!                                |

**The OPTIONAL final exam begins Thursday, May 7, 2pm**